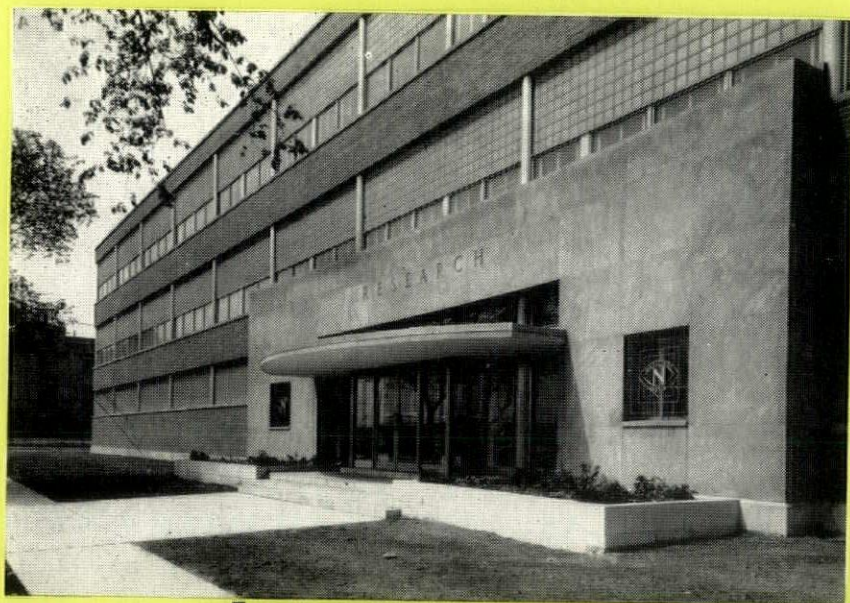


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# EMPIRE STATE ARCHITECT



CONVENTION ISSUE

SEPTEMBER - OCTOBER  
1955  
VOLUME XV - NUMBER V

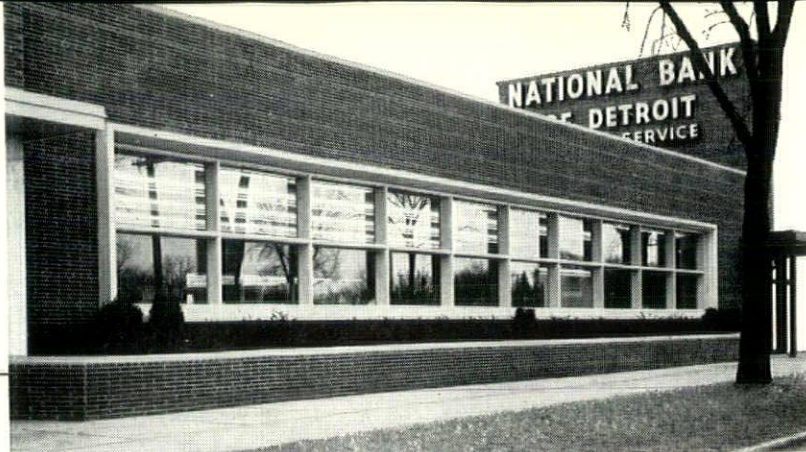


# See how All-Air High Velocity units

## lower the roof

This photograph shows the high velocity ducts installed *through* the open web joists. Note how the Anemostat sound attenuation unit is also placed *inside* the open web joist area. As a result, the architects and engineers were able to save *nearly two feet in a one-story building . . .* also make comparable savings in construction costs.

Completed interior with the Anemostat High Velocity units installed in the ceiling.



The National Bank of Detroit, which is equipped with an Anemostat All-Air High Velocity distribution system.

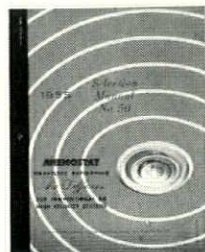


### Facts about All-Air HV units

- Can be used with smaller than conventional ducts.
- Can be installed through open web joists (as shown here) and in many other space-saving applications.
- Can be installed faster and with less cost.
- Require no coils, thus eliminate clogging and odors.
- Round, square and straight line diffusers with high velocity units are adaptable to a wide variety of architectural designs.

- Architect: W. ROY AKITT
- Engineer: F. A. SANDO
- Mechanical Contractor: JOHN M. CAMPBELL, INC.
- Ventilating Contractor: AUTOTHERM CORP.

• For latest data on All-Air High Velocity units, write on your business letterhead for new *Selection Manual 50* to Anemostat Corporation of America, 10 E. 39 Street, New York 16, New York.





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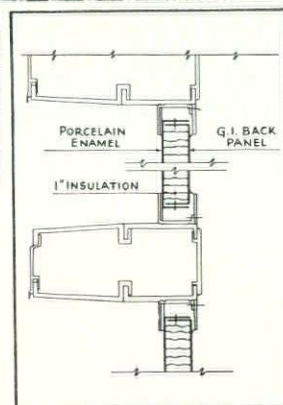
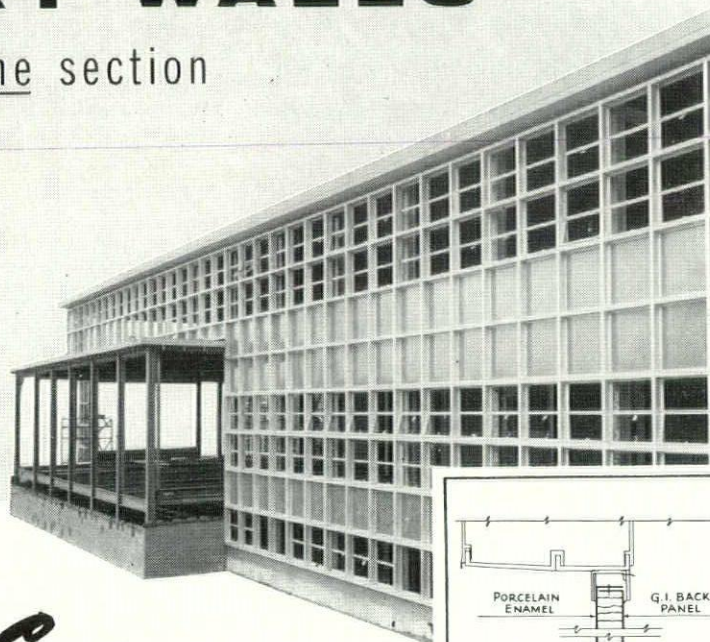
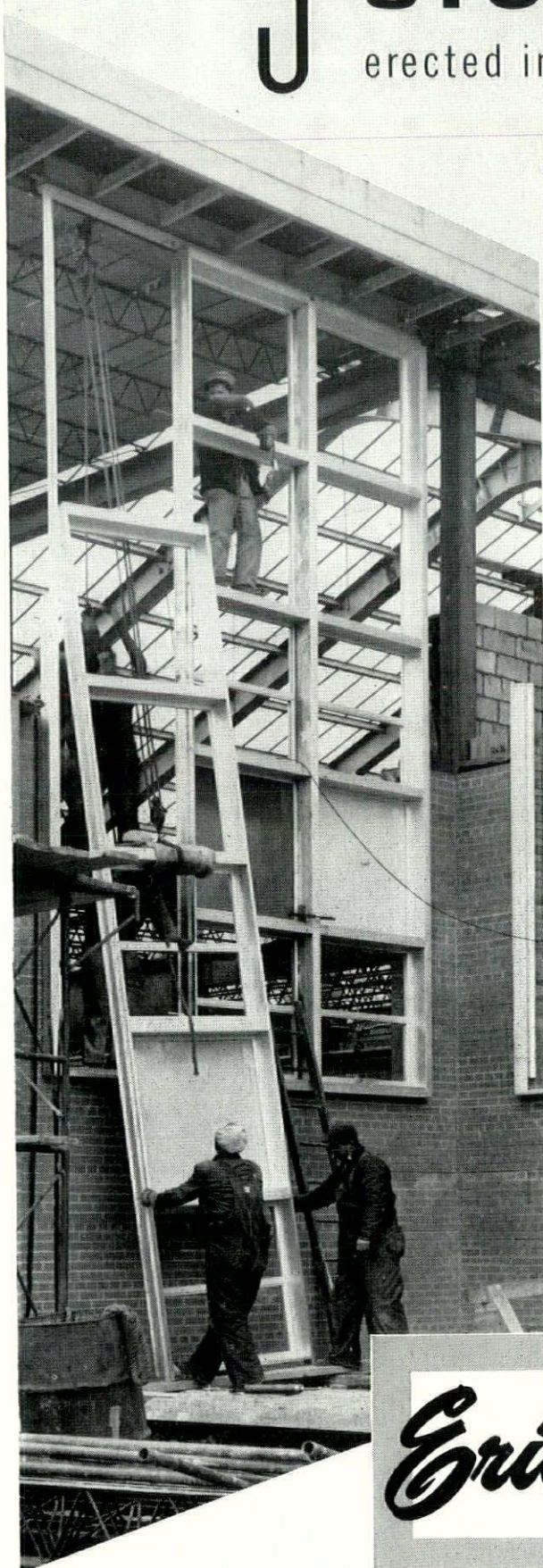
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Architect: P. Arthur D'Orazio, Youngstown, Ohio  
Sash: Valley Metal Products Co.

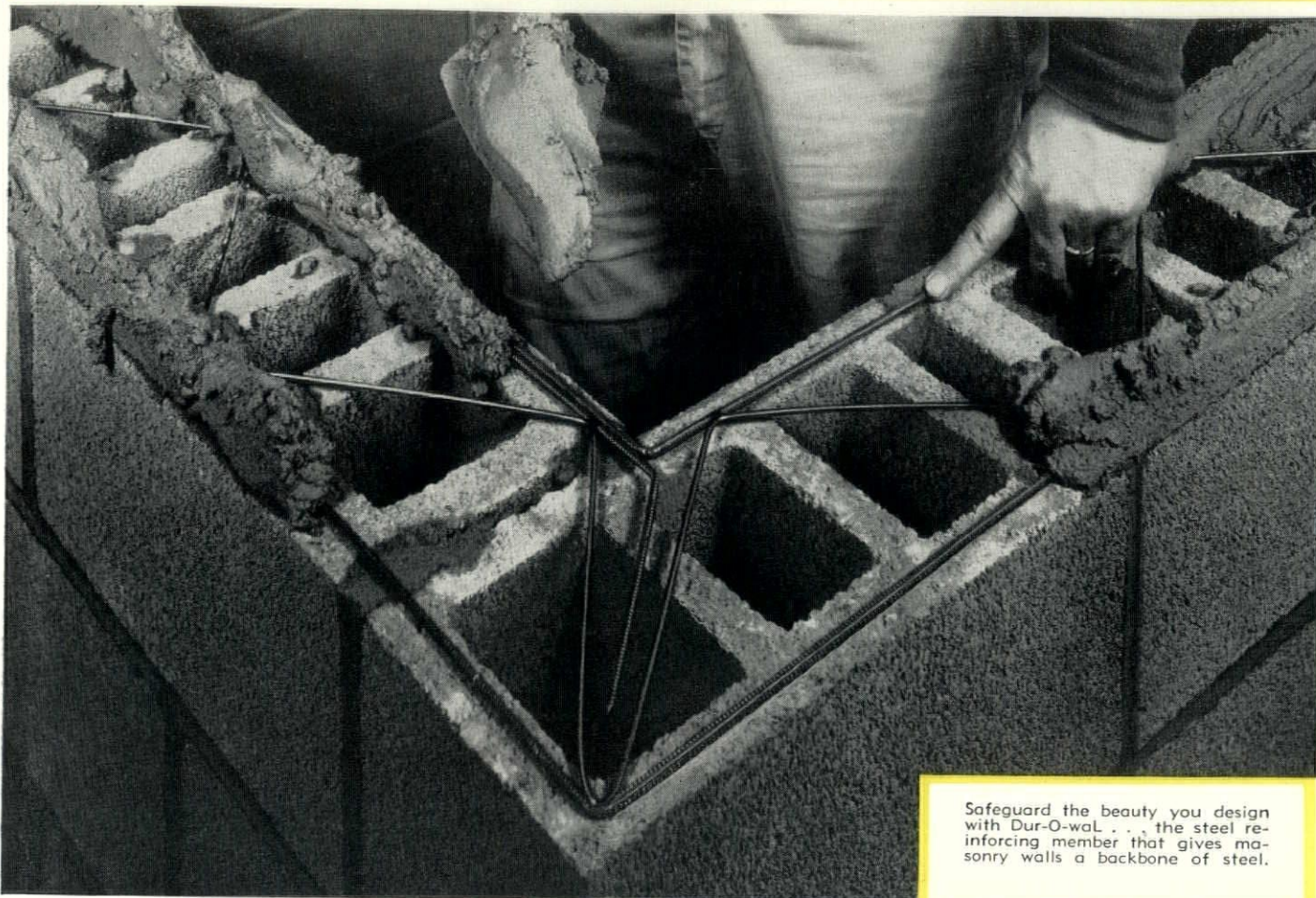
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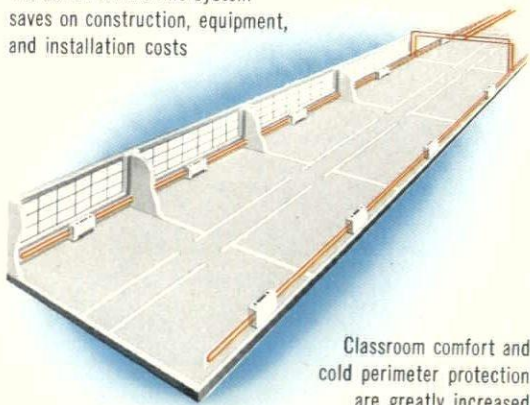




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AT NO EXTRA COST—SIX NEW SCHOOL COLORS AND HARDTOP SUNBOARDS . . . SEE NEXT PAGE



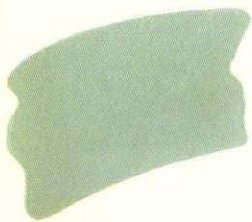
# Nesbitt

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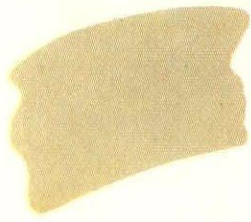
John J. Nesbitt, Inc., Philadelphia 36, Pa.—Sold also by American Blower Corporation.



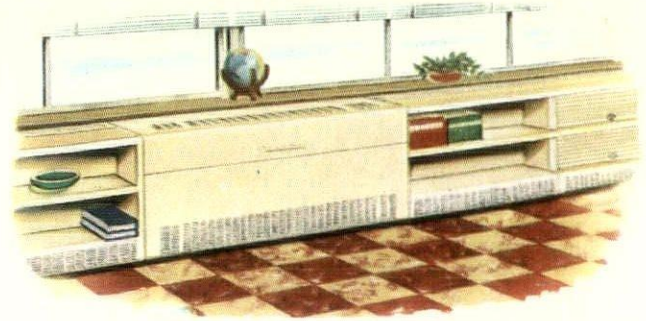
## Nesbitt NEW SCHOOL COLORS



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\*Light Reflection Value.



School Tan L.R. 39.1%



One idea from the Nesbitt Color Selector, Publication 100-2



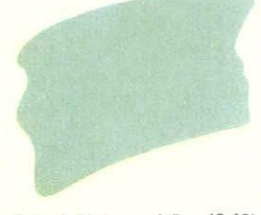
School Beige L.R. 37.5%



School Ivory L.R. 73.4%

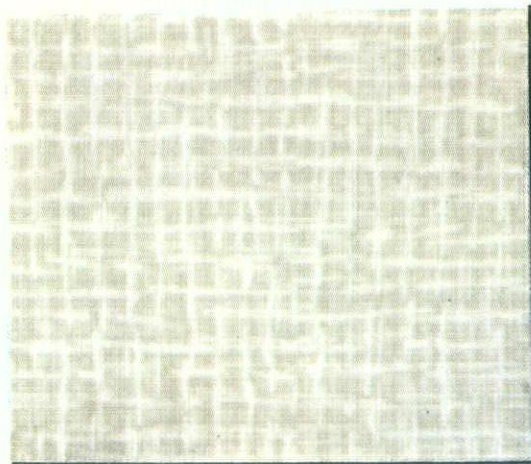


School Gray L.R. 50.7%



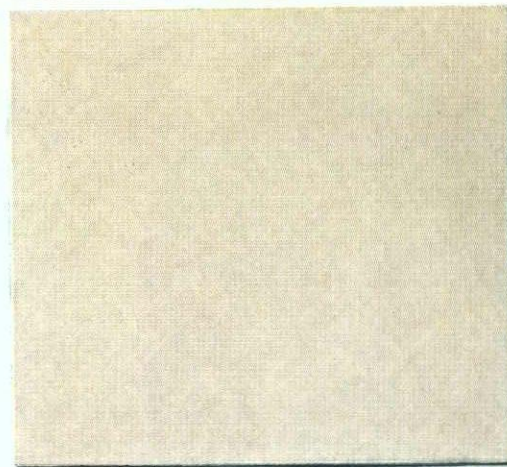
School Blue L.R. 40.4%

The six new school colors enhance the modern beauty and fabulous finish of Nesbitt classroom equipment . . . and the new laminated plastic hardtop for Nesbitt storage-cabinet sunboards multiplies the decorative possibilities.

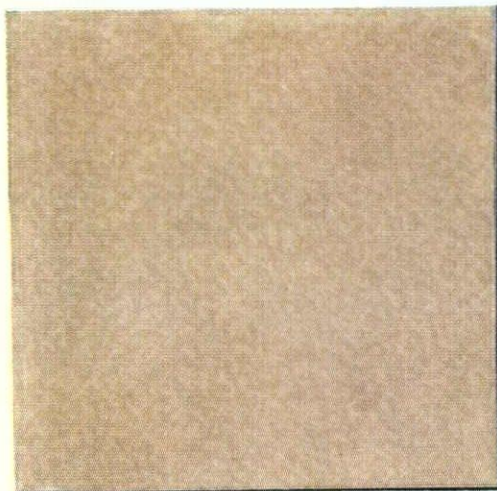


Gray Myth

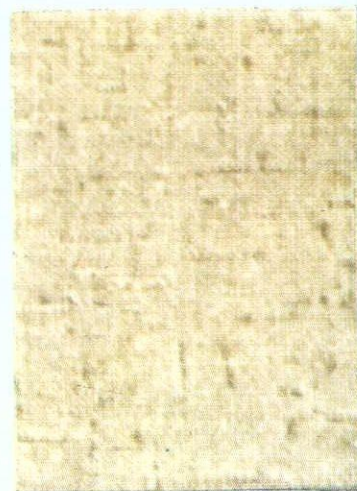
## Nesbitt NEW PLASTIC HARDTOP



Cement Gray Stippletone

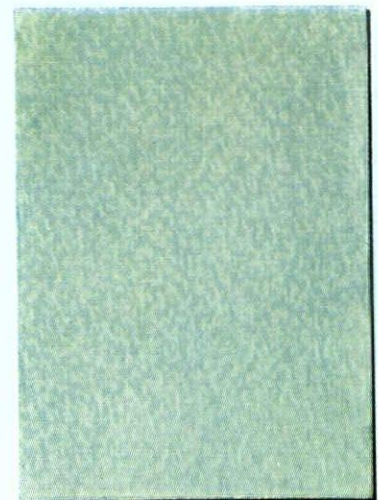


Beige Stippletone



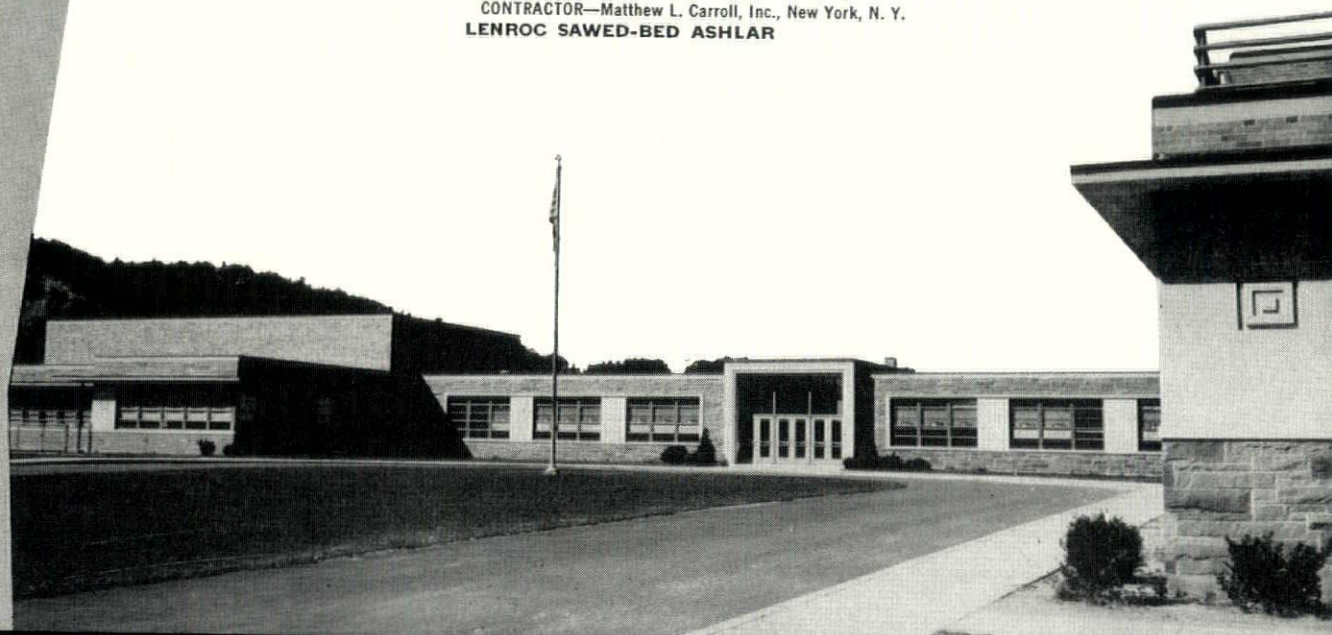
Tan Irish Linen

Green Stippletone

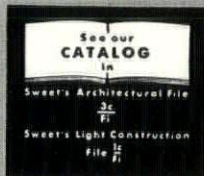




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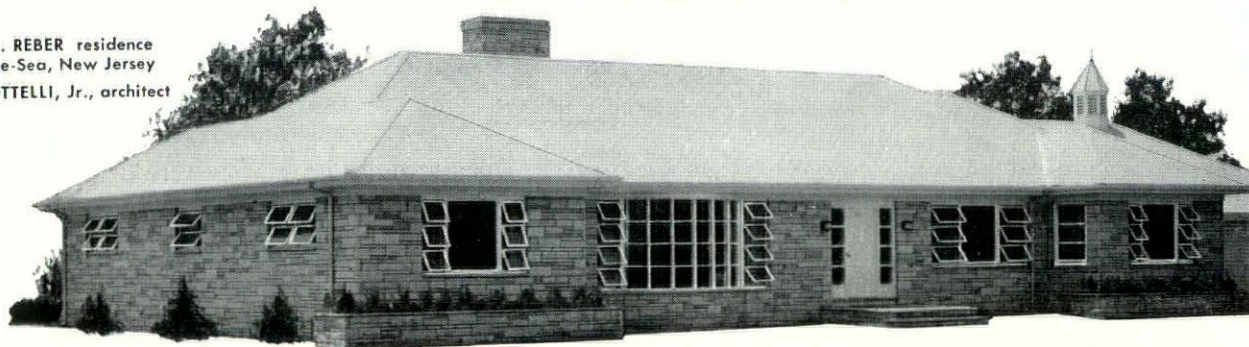
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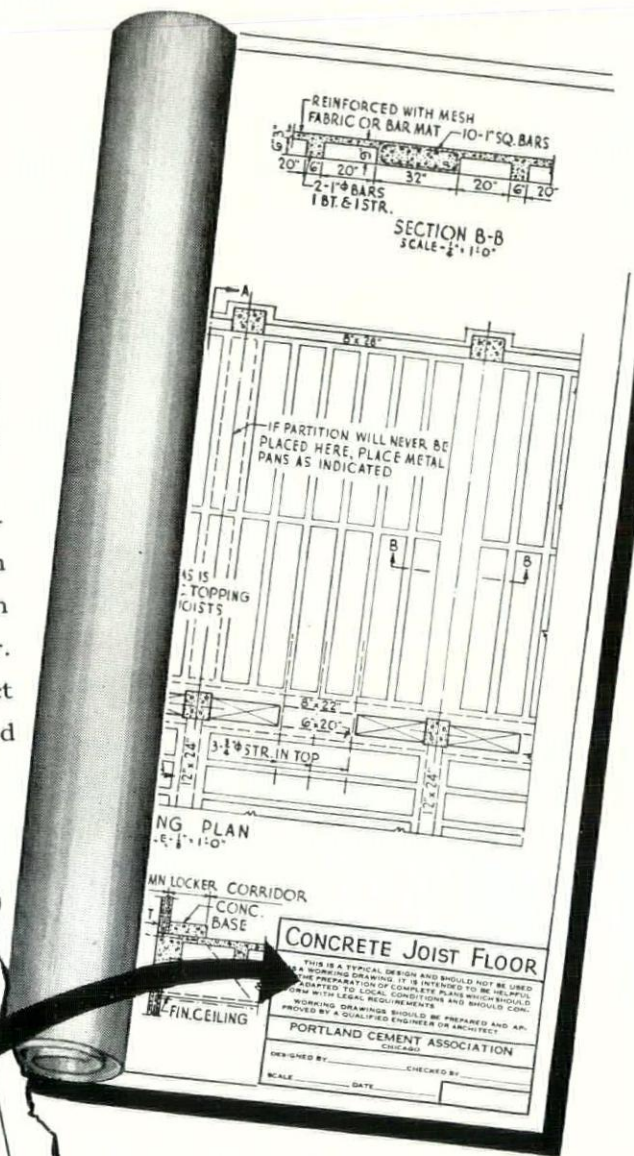
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THE OFFICIAL PUBLICATION

NEW YORK STATE ASSOCIATION OF ARCHITECTS

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### ON THE COVER

Entrance to the new research and engineering center of the National Aniline Division of the Allied Chemical & Dye Corporation, Buffalo, New York. Shelgren & Whitman, Architects. John Y. Sloan, Associate.

Address all communications regarding the State Association to the *Secretary*, Trevor W. Rogers, 832 Rand Building, Buffalo 3, New York; all *editorial* comments to Charles Rockwell Ellis, 433 South Salina Street, Syracuse 2, New York; all editorial material to Warren N. Wittek, 45 Allen Street, Buffalo 2, New York; and inquiries regarding advertising to the *Publisher*.

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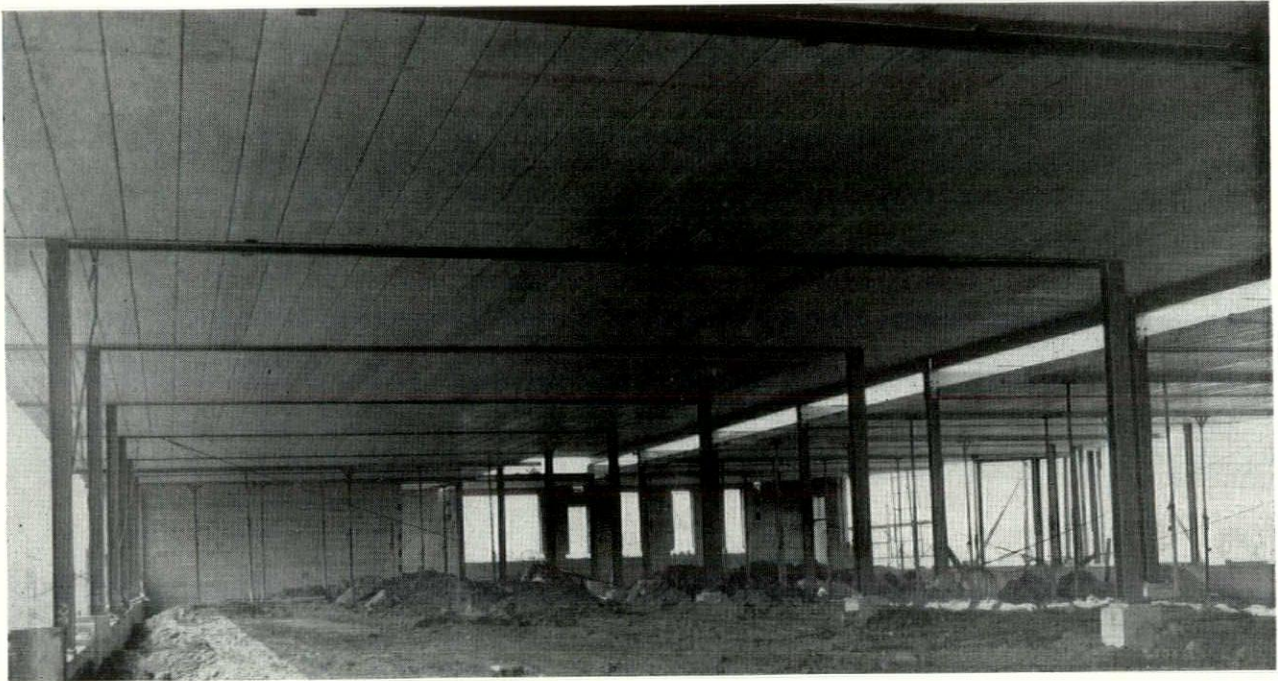
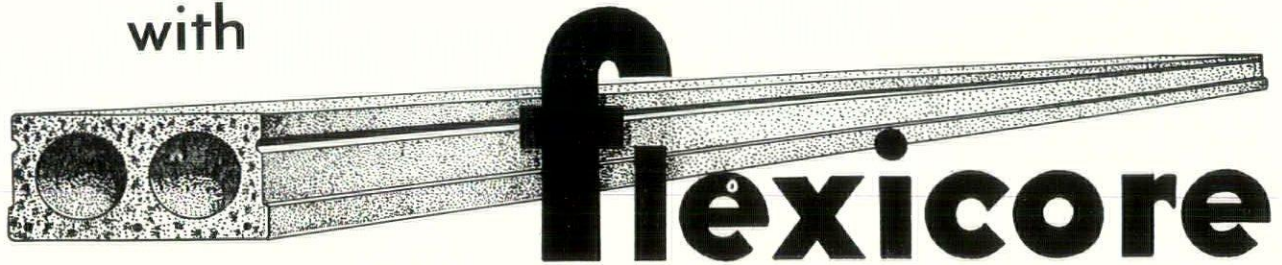
### September - October Issue — Vol. XV, No. V

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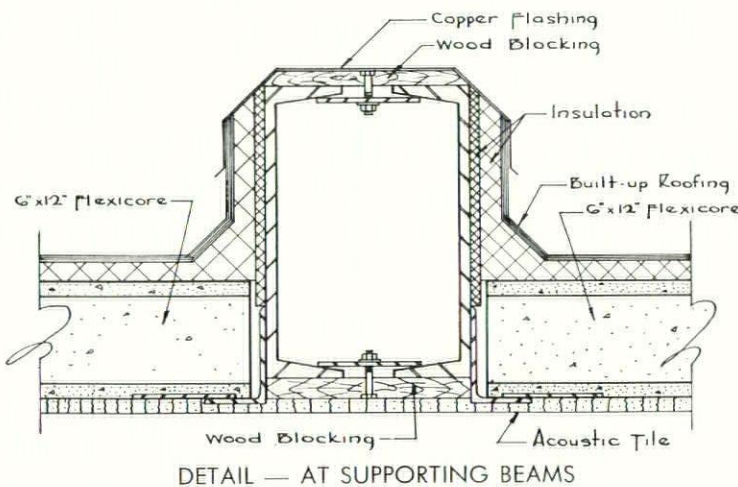
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Both photographs show FLEXICORE precast slabs in Charles A. Upson Elementary School, Lockport, N. Y. Contractor: Vogt Construction Co., Inc., North Tonawanda, N. Y. Architects: K. G. Schmill and C. J. Hoffmeyer, Buffalo, N. Y.; John Y. Sloan and Harry D. Schneider, Buffalo, N. Y., associate architects. FLEXICORE furnished by Anchor Concrete Products, Inc., Buffalo, N. Y.



Place your classroom partitions where you wish. Unique framing with FLEXICORE Precast, Prestressed Floor and Roof Slabs provides ceiling unbroken by steel beams.



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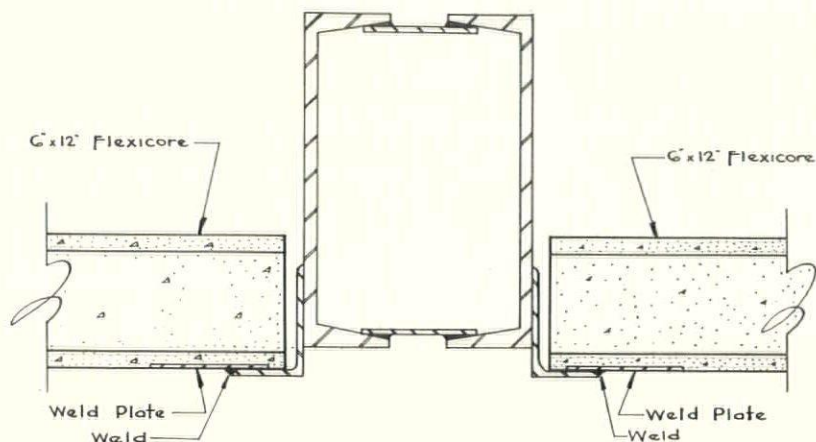
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which realized a very important savings in insurance. It was found, also, that there was very little difference in price compared with an alternate wood, lath and plaster.

Use of FLEXICORE provided for the direct application of acoustical tile to the ceiling. FLEXICORE could be used exposed where no acoustic treatment was needed; or where the budget would not permit acoustic treatment, the ceiling could be left exposed and painted, providing an excellent ceiling finish.

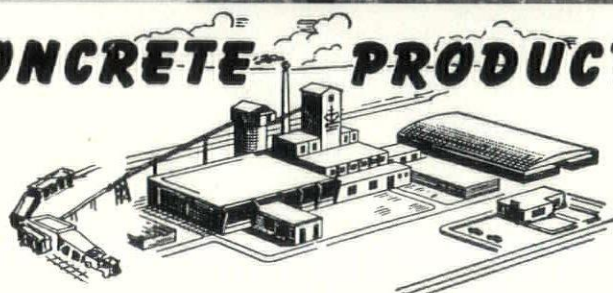
FLEXICORE also provides: rigid, durable construction; long spans up to 26' 0"; low maintenance.



## ANCHOR CONCRETE PRODUCTS INC.

WABASH AVE., AT 2450 WILLIAM ST.  
BUFFALO 6, N. Y.

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# what are your SPECIFICATION PROBLEMS?

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806 Crosby Bldg., Buffalo, N. Y., Phone: WAsh. 3427  
W. W. Bainbridge or I. A. Donahue,  
488 Madison Ave., New York, N. Y.

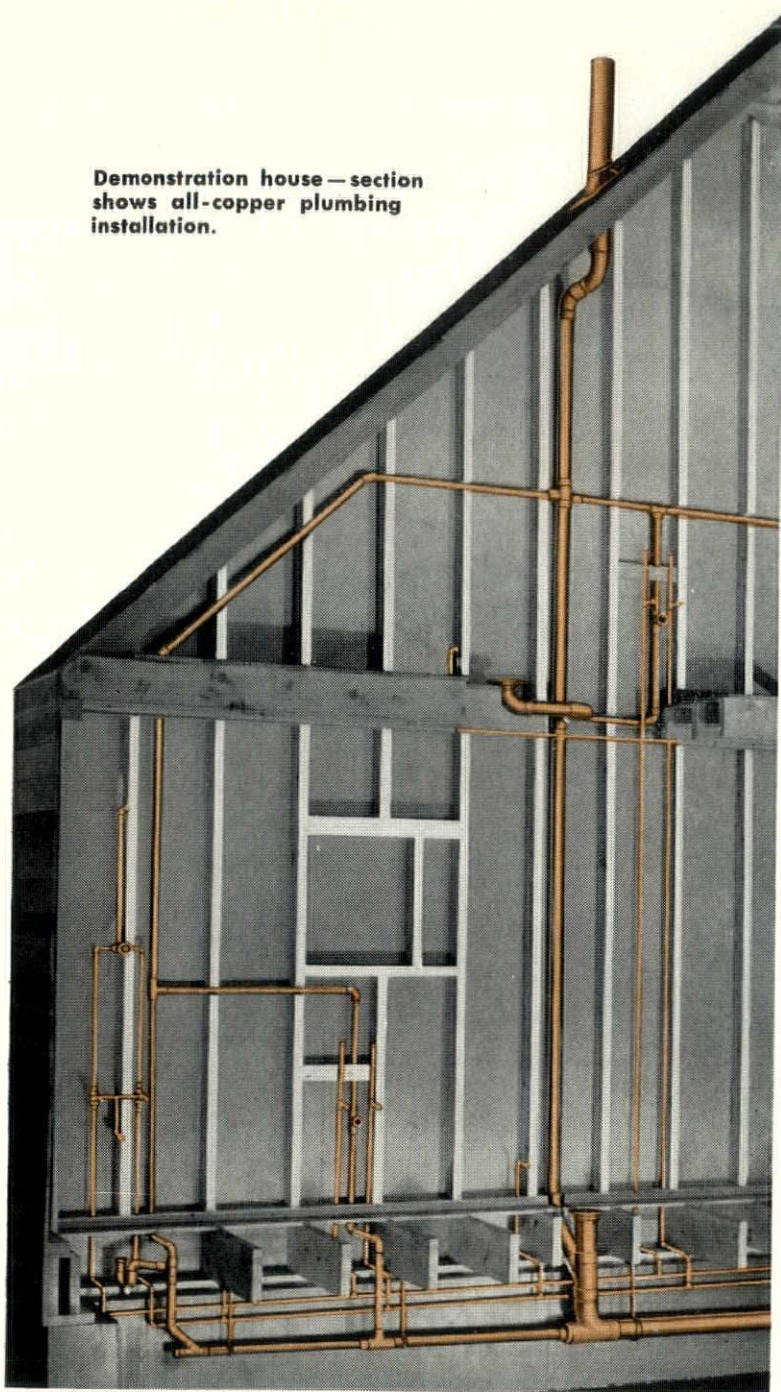


**UNITED STATES GYPSUM**

The greatest name in building



Demonstration house — section shows all-copper plumbing installation.



Anaconda Copper Tubes are available in all standard wall thicknesses—Types K, L, M and the new lighter weight Type DWV, which offers additional savings in job costs.

Within the past few years, many state and local sanitary plumbing codes have been modernized to include approval of the use of copper tube and solder-type fittings. Others are in process of revision. The recently issued American Standard National Plumbing Code (ASA A40.8-1955), published by The American Society of Mechanical Engineers, lists copper tube as approved material for sanitary drainage systems.

Types M and DWV are recommended for all lines of the sanitary drainage system above ground, and Types K and L for that part of the system buried underground.

5510A

## USE COPPER

for sanitary drainage systems and gain these advantages

1. **Fast, tight connections easily made** in even the hard-to-get-at spots!
2. **Carpentry and space savings.** No costly and space-consuming "build-outs" or extra-wide partitions. A 3" copper tube stack *with fittings* can be installed within a standard 4" partition.
3. **Long lengths eliminate many joints.** Anaconda copper tube is furnished in standard 20' lengths.
4. **Pre-assembly saves time, reduces costs.** Copper tube's light weight permits economical shop fabrication of standard sections for housing developments. Units can be easily transported to job site and installed in place without special lifting equipment.
5. **Roughing-in is faster.** Workmen handle 75% less weight when using copper tube. For example, a 20' length of 3" Type DWV copper tube weighs only 34 lb.
6. **Salability of homes increases.** Exposed lines are neat and trim. To prospective home buyers one sign of quality construction is all-copper plumbing.

The American Brass Company, Waterbury 20, Conn. Buffalo Division: 70 Sayre Street. District Sales Offices: New York City, Rochester, Syracuse.

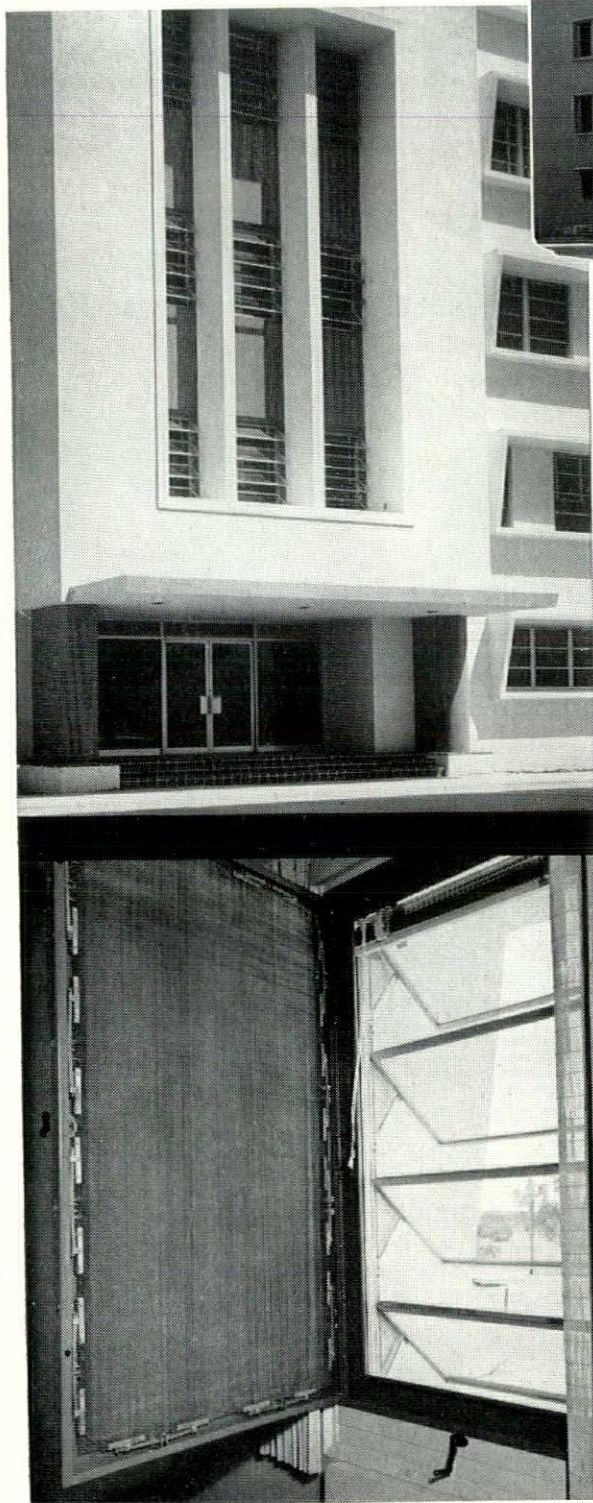
ASK YOUR PLUMBING CONTRACTOR

# ANACONDA®

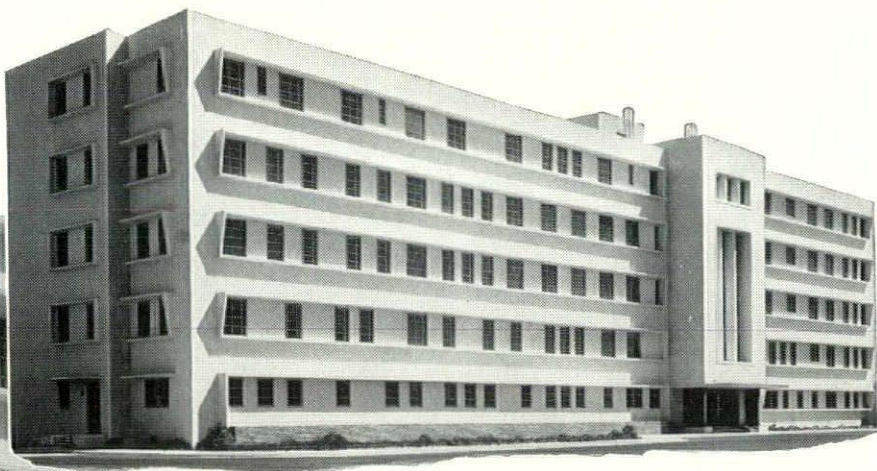
## COPPER TUBES



Psychiatric Unit, Jackson Memorial Hospital, Miami, Fla. Equipped with Truscon Steel Intermediate Louver Detention Windows. Steward and Skinner, architects. Edward M. Fleming Construction Co., contractors.



This Truscon Intermediate Louver Window, as used in the handsome Psychiatric Unit of Jackson Memorial Hospital, is particularly applicable to the needs of mental institutions. Awning-type design offers 100% ventilation. Ventilators operate simultaneously. Degree of opening is controlled by a small removable crank, limiting operation to authorized personnel only. Detention screen is principal restriction against injury and escape. Screen can be opened only by authorized use of a removable key.



## Would you believe this handsome building has detention windows?

Here's handsome proof of how effectively Truscon Detention Windows conceal or minimize all indications of enforced restraint. At the same time, these windows are carefully engineered to protect mental patients against self-injury and to prevent escape.

Truscon Steel Detention and Psychiatric Windows have extra margins of safety, allowing you to use large total glass and ventilating areas for abundant healing sunlight and fresh air.

Each Truscon application is custom engineered to your individual requirements. Degree of restraint is precisely controlled.

Benefit from Truscon's extensive specialized experience in the design and construction of steel windows for safe confinement of mental patients. Simply ask your nearest Truscon representative for the technical assistance you and your architect may need. Complete Detention Window specifications are detailed in Truscon's latest catalog. Write for your free copy.

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and Syracuse



**TRUSCON STEEL DIVISION**

**REPUBLIC STEEL**



**YOUNGSTOWN 1, OHIO**

Export Dept.: Chrysler Bldg., New York 17, N. Y.

A NAME YOU CAN BUILD ON



# The 64 BOILER Question...

WITH NO QUESTION ABOUT PERFORMANCE



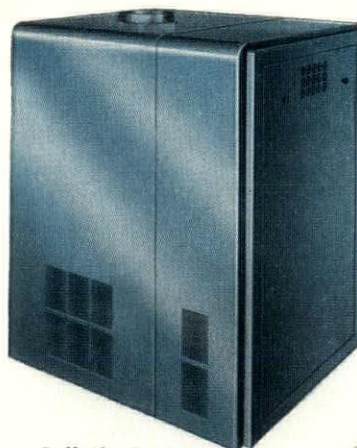
**Q** "What is the most economical boiler we can install for efficient heating and adequate continuous hot water?" was the question asked by the builders of 64-unit Hoskins Park at Quonset, Rhode Island.

**A** "H. B. Smith 'Century' Gas Boilers" were definitely the answer after a comprehensive study was made of all boiler types.

**Here are the answers to why Smith "Century" Boilers were chosen over all others.**

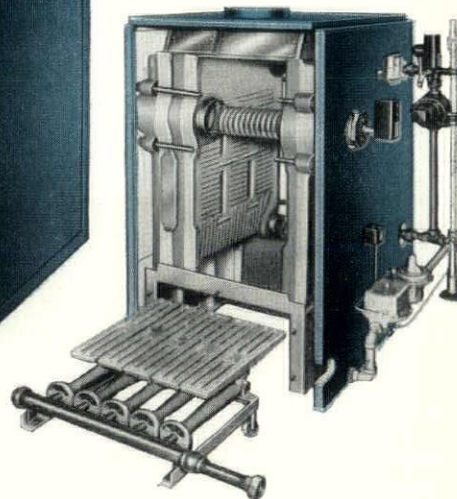
- The Smith "Century" is the only gas boiler available with an integral built-in tankless hot water feature of sufficient size to handle 4- and 5- apartment units. (Most heaters in this project are capable of supplying 8 gallons of water per minute). This domestic hot water feature meant considerable initial savings and subsequent maintenance costs which would have been necessary had separate hot water heaters been used.
- The Smith "Century" is the easiest boiler of its size to service. This is a most important factor since the project management naturally wishes to cut service to a minimum.
- The Smith "Century" is engineered from the ground up for long life and low maintenance. Every part from the stainless steel flue collector to the rugged cast iron burners with precision-drilled raised ports is designed with the utmost of operating efficiency and economy in mind. This is of prime importance in a project of this type.

**Now** . . . the question answered and construction completed, 64 Smith "Century" Boilers of different sizes and capacity provide heat and hot water for 64 buildings. There is an administration building and 63 apartment buildings with a total of 350 four- and five-room apartments. The Providence Gas Company ran pipelines twelve miles to bring natural gas to this location.



**Bulletin Free**  
Completely illustrates  
and describes the Smith  
"Century" Gas Boiler

**AGA APPROVED**  
Input Ratings from  
138,000 Btu to 745,500 Btu



**H.B. Smith**

**CAST IRON BOILERS**

THE H. B. SMITH CO., INC., WESTFIELD, MASSACHUSETTS ESTABLISHED 1853





ARCHITECTS: Leon and Lionel Levy

## ...built with HANLEY Duramic Brick

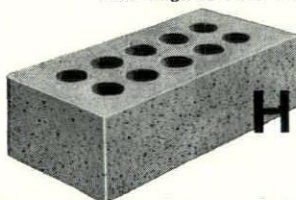
The majestic Coliseum employs the color and texture of HANLEY Duramic Brick to couple elegance of appearance with functional design—in keeping with New York's new Columbus Circle.

The sharp contrasting elements of the towering vertical shaft and the horizontal plane of the ex-

position area have been united through the tasteful blending of this superior brick.

The Coliseum's gleaming facade, of Hanley #625 Limestone Grey Duramic Brick, is complemented by the use of Hanley #770 Slate Grey Duramic Brick in the spandrels.

HANLEY GLAZED FACING TILE  
available in a wide selection of  
color-engineered shades.



**HANLEY DURAMIC BRICK is available in  
these additional controlled shades:**

418 Iris Blue	725 Pearl White—medium speck
501 Pearl Grey	729 Pearl White—heavy speck
525 Pearl Grey—medium speck	735 Pink—medium speck
625 Limestone Grey—light speck	752 Ivory—medium speck
723 Pearl White—light speck	824 Oyster Grey—medium speck

## HANLEY COMPANY, Inc.

101 PARK AVENUE, NEW YORK 17, N. Y.

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PLANTS: BRADFORD, PA., SUMMERVILLE, PA.





Rich walnut Weldwood paneling provides warmth and subtle luxury in reception room of Henry Holt & Co., New York City. Interiors by Designs For Business.

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**Beautiful wood walls—natural companion to good design**

See how wonderfully superb wood paneling by Weldwood adds depth and richness to modern design!

In striking contemporary buildings throughout the world, the traditional beauty of wood paneling accentuates vividly the clean, "balanced" look of fine modern interiors.

**Specify Weldwood—choose from the world's finest woods.** Over 100 beautiful veneers available, many from stock in regular sizes. For example we regularly stock Korina®; American elm; curly white and red birch; Samara®; bird's-eye, curly and select white rock maple; plain and quarter

sliced American and French walnut; cherry; prima vera; Nakora®; rotary red, plain sliced and rift sliced oak; African, Philippine and Honduras mahogany; and many others. Weldwood Architectural Grade Panels are also available—manufactured to your exact specifications.

**Famous guarantee** — all Weldwood paneling is *guaranteed unconditionally for the life of the building.*

**FREE 32-PAGE BOOKLET** gives complete architectural details on installing and specifying Weldwood paneling. Send for your copy today.

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## HARDWOOD PANELING

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The World's Largest Plywood Organization

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**Weldwood Building, 55 West 44th St., New York 36, N.Y.**



BY RETURN MAIL send me a copy of your architectural paneling hand-book ☐ and data on Weldwood Mineral Core Doors ☐. **ESA-9-5**

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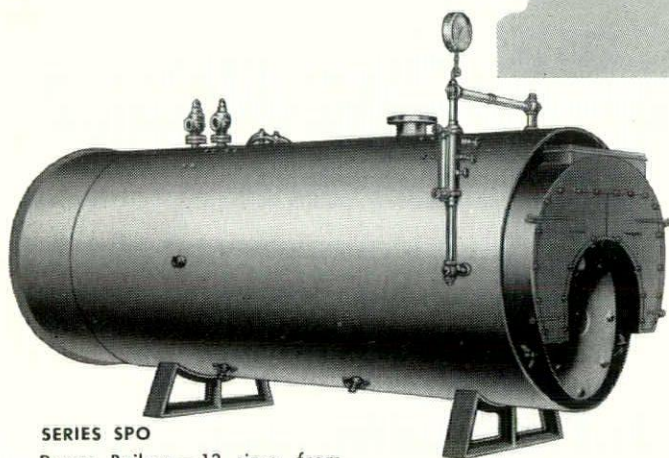
STATE .....



Favored for **performance**  
throughout the Empire State

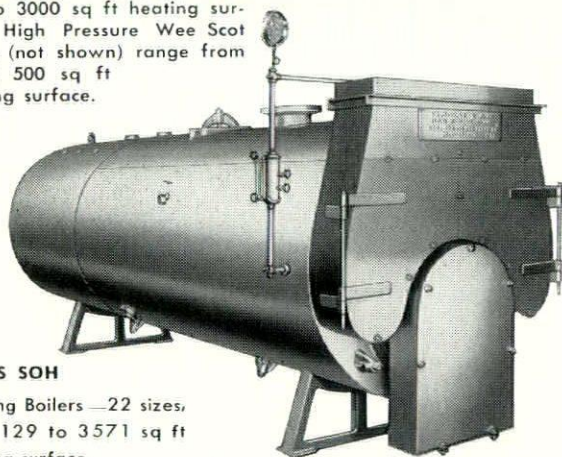
**TITUSVILLE**

*Scotch*  
*Marine*  
**BOILERS**



**SERIES SPO**

Power Boilers — 13 sizes, from 605 to 3000 sq ft heating surface. High Pressure Wee Scot Series (not shown) range from 97 to 500 sq ft heating surface.



**SERIES SOH**

Heating Boilers — 22 sizes, from 129 to 3571 sq ft heating surface.

for **POWER**  
and **HEAT**

In prize-winning schools, ultramodern hospitals, efficient industrial plants, handsome office and apartment buildings throughout the state of New York, TITUSVILLE Boilers are strongly represented. Their fine construction, dependable performance and wide range of types and sizes give free choice to the architect who specifies the best. • Do you have a complete Titusville file? Write!



A division of



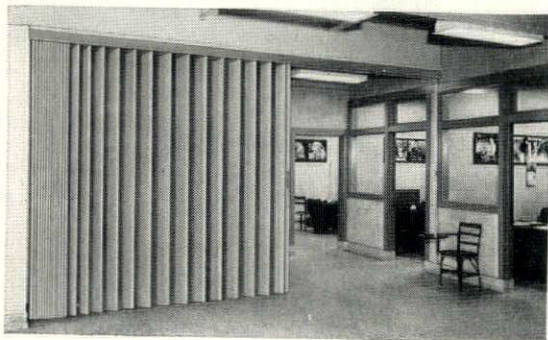
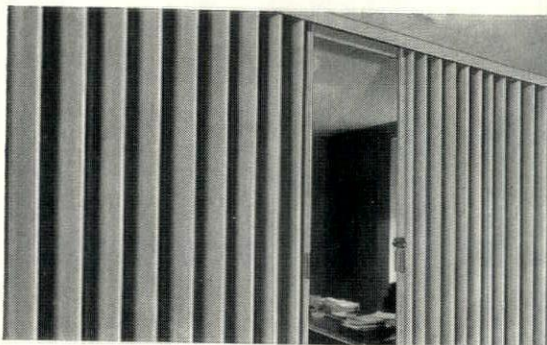
**THE TITUSVILLE IRON WORKS COMPANY**

TITUSVILLE, PENNSYLVANIA

Manufacturers of A Complete Line of Boilers for Every Heating and Power Requirement



# more flexibility!

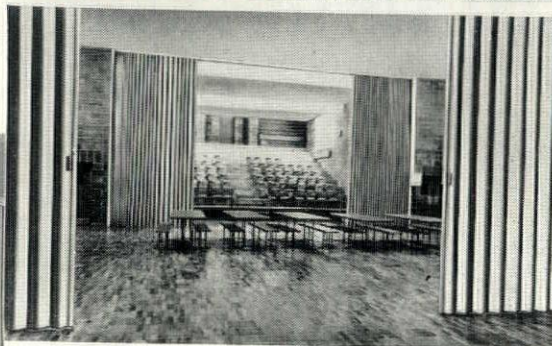
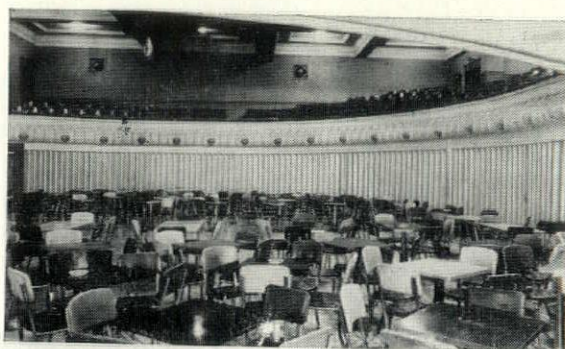


Make every room more usable, flexible, completely efficient—at far less cost! Use FOLDOOR—the famous fabric-covered folding door that puts every inch of floor space to work!

FOLDOOR saves swing space over ordinary doors, saves stack space over other folding doors—and every cubic foot you gain, cuts construction costs!

FOLDOOR serves as both door closures and movable walls. It divides the space to suit the need—makes a large room into smaller ones—provides privacy for small groups, spaciousness for large ones. The many FOLDOOR fabric colors harmonize with any interior, lend dignity to all surroundings.

Include FOLDOOR in all your building plans. You'll find the right size and type to fit your specifications.



# lower costs!

## ONLY FOLDOOR GIVES YOU ALL THESE . . .

- ★ Rugged steel frame, welded rods and rigid hinge-plates
- ★ Vinyl plastic coverings, easy to clean
- ★ Multi-V design—with centerline support—requires less stack space
- ★ Attractive cornice at no extra cost
- ★ Curved, soundproof, switch-type and mechanically-operated models available
- ★ Backed by 56 years of engineering and manufacturing experience

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# UNIT VENTILATOR NEWS

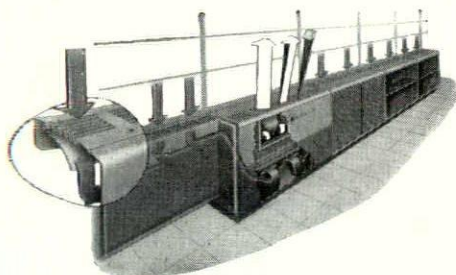
DRAFT STOP

American Air Filter Company, Inc. UNIT VENTILATOR PRODUCTS Louisville 8, Kentucky

## DRAFT|STOP SYSTEM SAVES DOLLARS FOR HUNDREDS OF NEW YORK SCHOOLS

(Names furnished on request)

### Unique Draft Elimination Method Saves Fuel, Simplifies Cooling

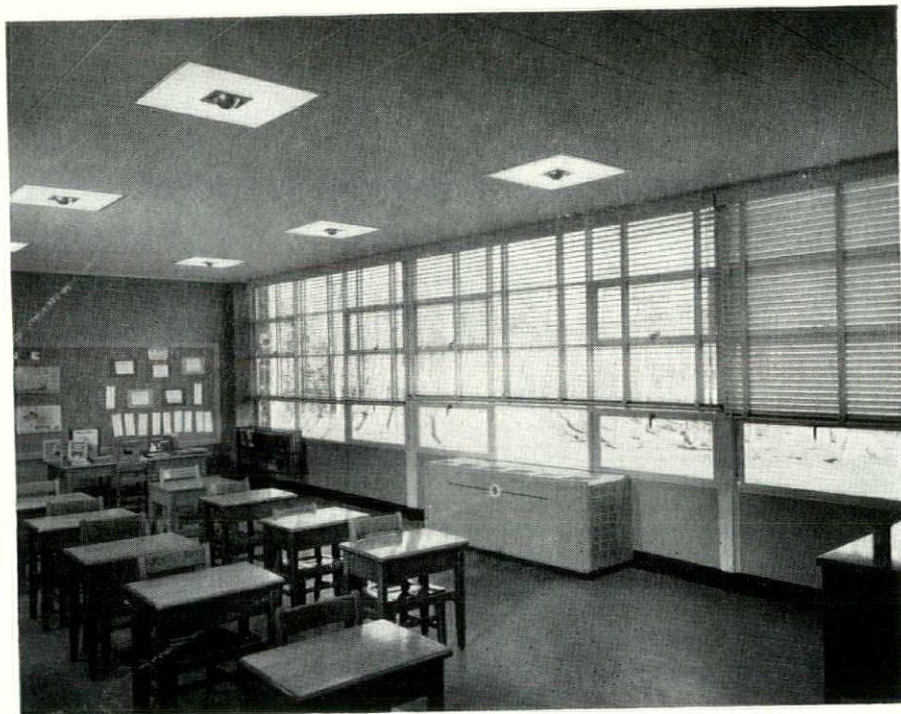


While cold drafts are a problem near the window, the rest of the room may actually be overheated. For this reason DRAFT|STOP doesn't combat dangerous window downdrafts with additional heat but solves the problem sensibly and economically.

DRAFT|STOP traps the cold air at the window before it can spill onto the students. Once trapped by the cold air slot behind the utility cabinets, this cold air is either drawn into the unit ventilator for conditioning or expelled from the building entirely.

The unit is never in the compromising position of having to heat and cool simultaneously—a situation certain to exist where additional heat is used to combat drafts.

Don't look upon the problem of overheating as a fad—it's a fact. And DRAFT|STOP solves the problem in a way that also saves dollars. For complete information, see our catalog in Sweet's Architectural File, or write Herman Nelson Unit Ventilator Products, American Air Filter Company, Inc., Louisville 8, Ky.



The new Carrie E. Tompkins Elementary School, Croton, New York. The Herman Nelson system, featuring Adapter-Back Unit Ventilators, was a "natural" for this modern sandwich wall construction. District Principal: Donald S. Ray; Architect: Moore & Hutchins; Engineers: Wohlpart Associates; Mechanical Contractor: Beaver Heating Corporation.

### Savings Start At The Drafting Board

The DRAFT|STOP economy story begins with school construction. A building utilizing the cooling, heating, ventilating and draft elimination features of DRAFT|STOP requires no costly supplementary radiation—no vent flues, corridor venting or exhaust fans.

Most of the windows can be permanent glass windows, thus eliminating the extra costs connected with installation of "opener" windows (as much as \$25 per window for hardware alone).

### DRAFT|STOP Economy Continues In Day-To-Day Operation

Since the major function of the unit is cooling—to compensate for the natural heat gain from students, lighting and solar effect—DRAFT|STOP heats *only when heat is needed* to bring the classroom to perfect comfort level.

When the unit *is* heating, fuel dollars don't go "out the window". Comfort plus cash savings—that's why budget-minded schools are DRAFT|STOP's best customers.





# UNIT VENTILATOR NEWS

American Air Filter Company, Inc. UNIT VENTILATOR PRODUCTS Louisville 8, Kentucky

## NEW DEVELOPMENTS HIGHLIGHT HERMAN NELSON RESEARCH PROGRAM

### New Light|Stop Accessory Aids Audio-Visual Classroom



Light|Stop solves the problem of retaining classroom comfort while classrooms are darkened for audio-visual sessions.

Before the development of this new accessory, billowing curtains and streaks of light distracted students from their learning tasks. The alternative was to turn off the unit ventilator. This robbed the students of the essentials for comfort just when they needed them most.

Light|Stop prevents flapping of curtain and keeps out light streaks. Thus, audio-

### More Colors Now Available For Unit Ventilators

Herman Nelson now offers *seven* colors for unit ventilators:

**SAHARA TAN**  
**PLATINUM GREEN**  
**AUTUMN GREEN**  
**COLONIAL BLUE**  
**MIST GRAY**  
**TROPIC GREEN**  
**CORAL TAN**

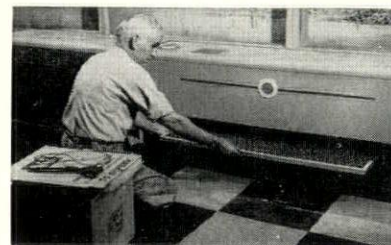
In addition, there are now *five* distinct selections in *lineoleum* patterns and colors for unit ventilator tops. This comprehensive range provides colors that will blend or contrast with any classroom color scheme.

Bulletin 600-E3 contains actual painted panels of all unit ventilator colors and four-color reproductions of the lineoleum patterns. Send for your copy.

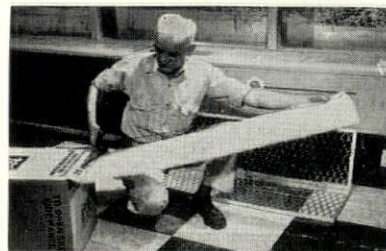
visual classrooms can now have their darkness . . . and *comfort*, too! Send for Bulletin 600-A7.

### Classroom Filter Cuts Costs In Half

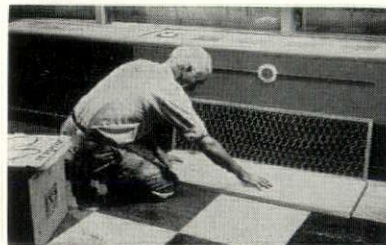
The new Herman Nelson Renewable Filter utilizes highly effective AMER-glas media at a cost one-half that of replaceable filters. Here's all you do to change media:



Remove filter from unit ventilator. Open frame, take out media and dispose of it in wastebasket.



Pull out desired length of AMER-glas media from carton dispenser and cut off with scissors.



Place clean media in filter frame.



Replace filter in unit ventilator.

## Herman Nelson Offers Complete Line For All Classroom Cooling, Heating And Ventilating Needs

### AUDITORIUM UNIT VENTILATORS

For use where large volumes of air need to be heated and circulated, such as auditoriums and gymnasiums.



### UNIT VENTILATOR CONVECTORS

For both DRAFT|STOP and General Purpose Units—designed to harmonize with the unit ventilator.



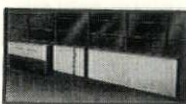
### UNIT VENTILATOR UTILITY CABINETS

Available in a variety of sizes and color schemes and designed to harmonize with the two product lines.



### DRAFT|STOP WALL

For use where it is not desirable to use DRAFT|STOP Utility Cabinets or cavity wall construction.

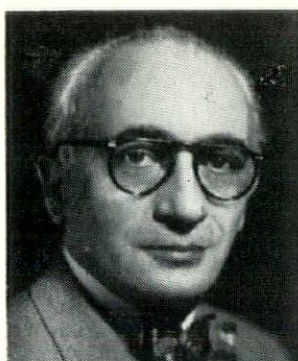




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1955

## NEW YORK STATE ASSOCIATION OF ARCHITECTS



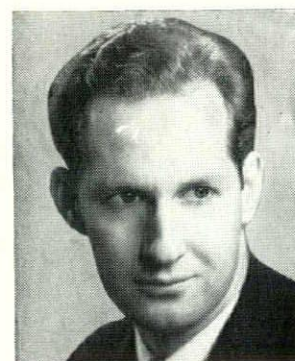
Adolph Goldberg  
*President*



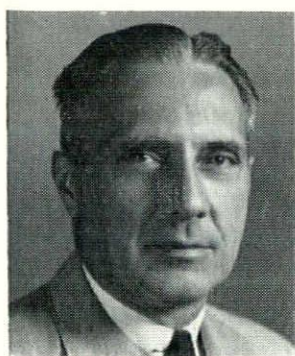
G. Morton Wolfe  
*1st Vice-President*



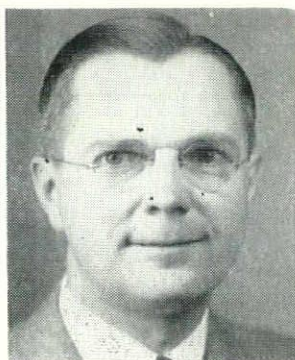
Harry M. Prince  
*2nd Vice-President*



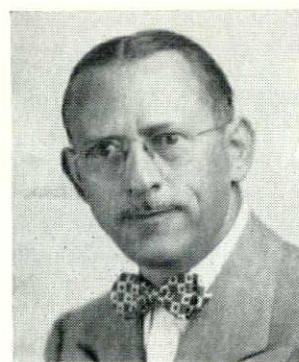
John W. Briggs  
*3rd Vice-President*



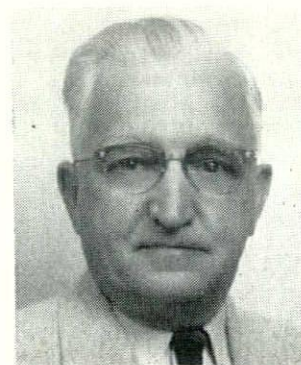
James Wm. Kidney  
*Past President*



Trevor W. Rogers  
*Secretary*



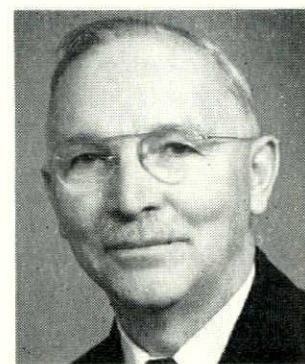
Martyn N. Weston  
*Treasurer*



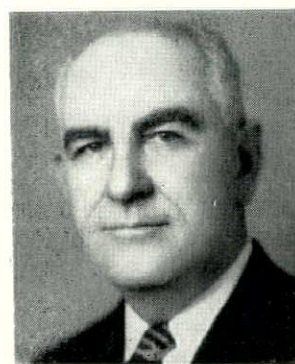
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*Past President*



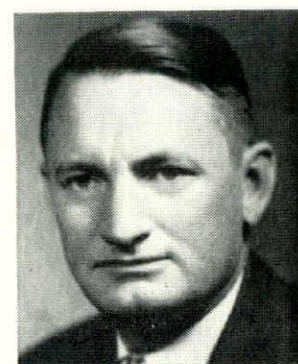
Matthew W. Del Gaudio  
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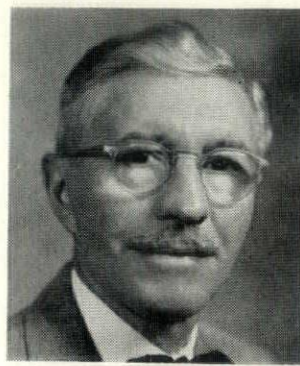


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Daniel Schwartzman



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Guerino Salerni



Harry Silverman



Harry E. Rodman



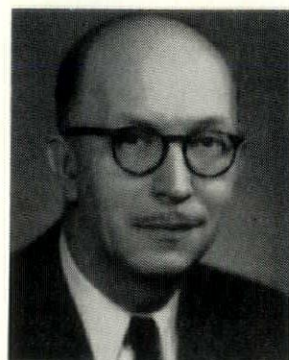
Don C. Hershey



Harry A. Yarish



Carl W. Clark



S. Elmer Chambers



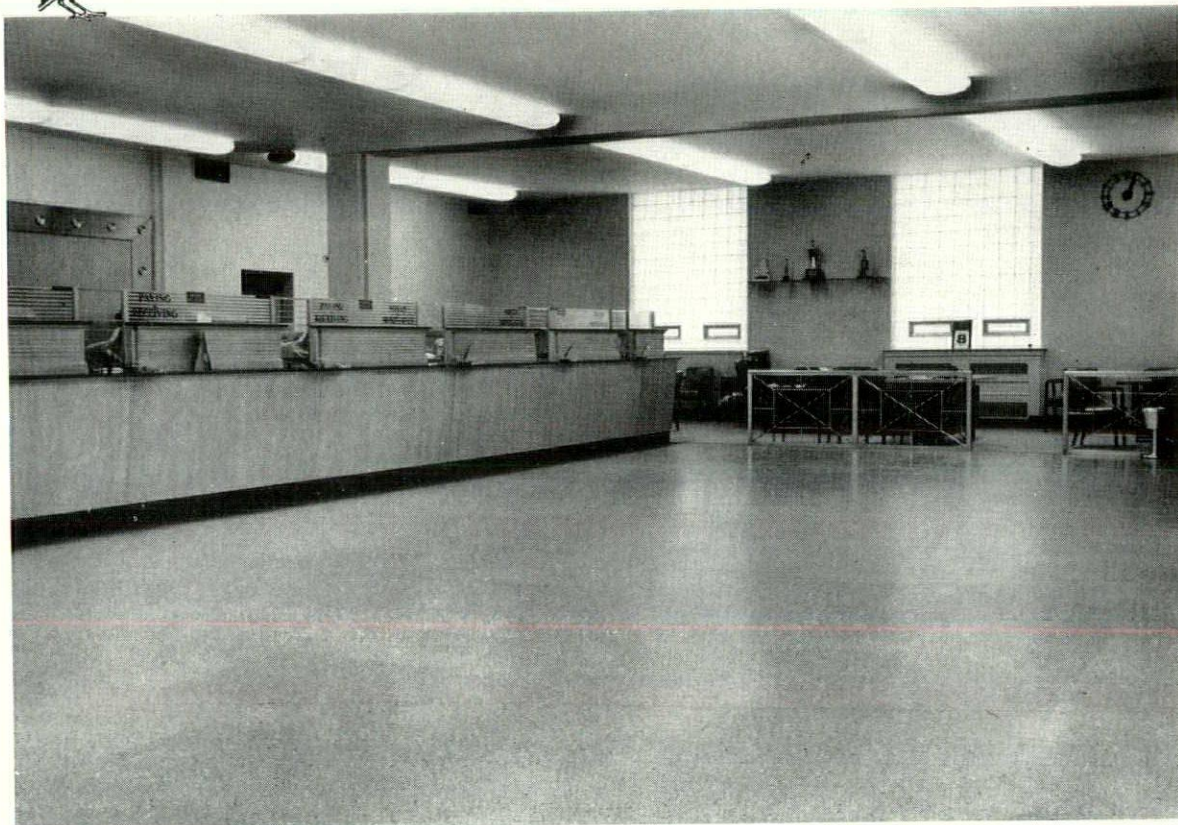
Frederick H. Voss



Samuel A. Hertz



# For BEAUTY and UTILITY



## ROBBINS LIFETIME<sup>®</sup> VINYL *Terra-Tile*

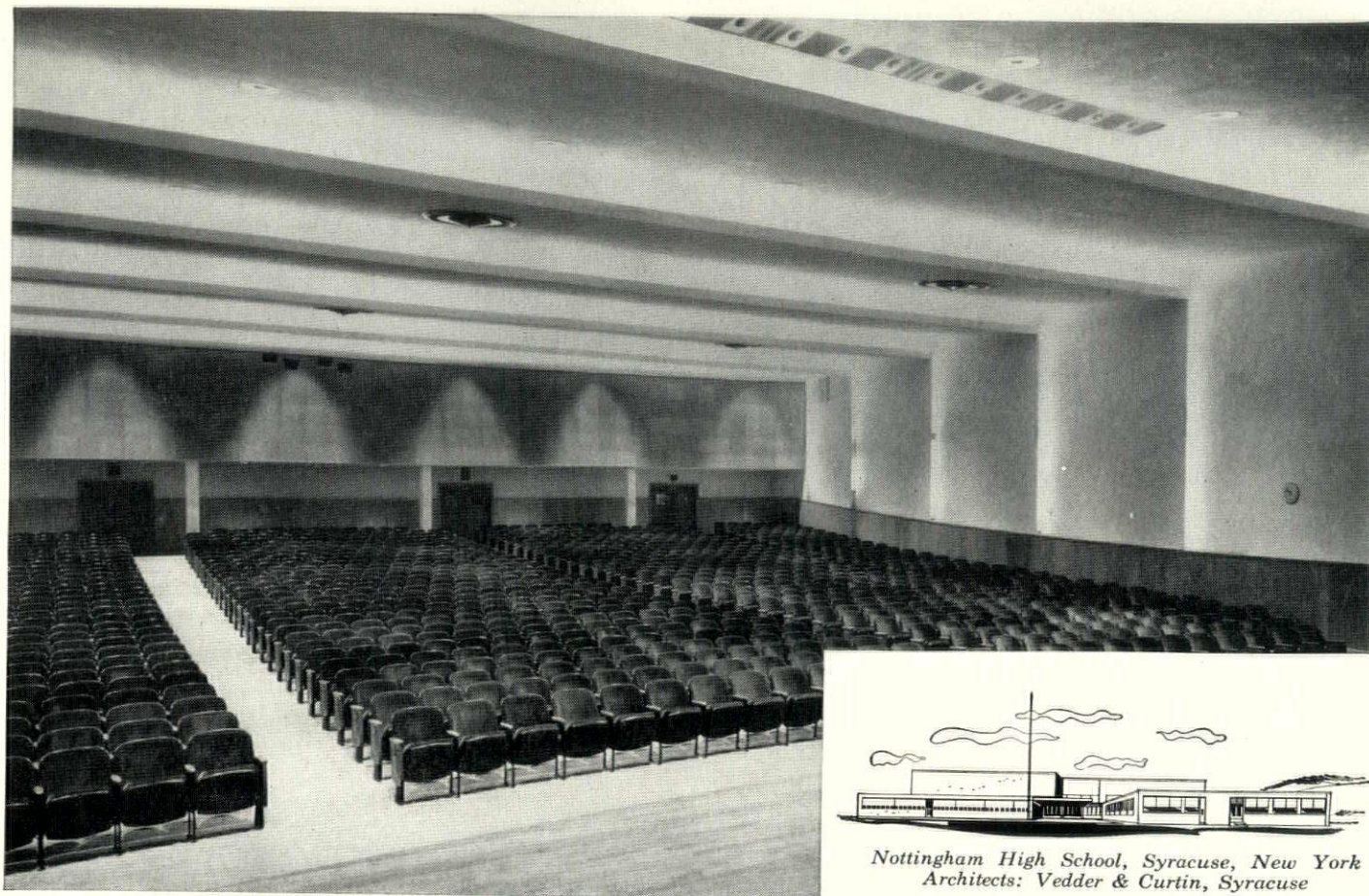
In banks, as in all public buildings, beauty and utility are the prime requisites for floors, and Robbins Lifetime Vinyl Terra-Tile meets these requirements perfectly. Whether the choice is brilliant color or a delicate pastel shade, the dramatic terrazzo design places the accent on beauty . . . beauty which lives for a lifetime.

Robbins Lifetime Vinyl Terra-Tile is made of all virgin vinyl and is 100% homogenous! It is all vinyl through the back, not just to the back. Each tile is one solid piece—the beautiful terrazzo design goes all the way through. It can never wear off.

Detailed information on the entire Robbins line is available from Robbins Distributors located in all principal cities. Or, write, wire or phone our factories in Tuscumbia, Alabama.

**ROBBINS FLOOR PRODUCTS, Inc.**  
TUSCUMBIA (Muscle Shoals), ALABAMA





Nottingham High School, Syracuse, New York  
Architects: Vedder & Curtin, Syracuse

## Fresh Slants on School Auditoriums

*Helpful data offered to architects*

American Seating Company offers New York State architects a vast fund of the most comprehensive, up-to-date school planning information available in the seating industry.

This wealth of material will greatly assist in your auditorium planning and installation problems. It will be supplied without obligation by your nearest American Seating Company representative. Also available is information on Classroom Furniture; Gymnasium, Playground and Laboratory Equipment; Library Furniture; Bleachers and Stadium Seating; Chalkboard and Corkboard.



*American Seating Company*

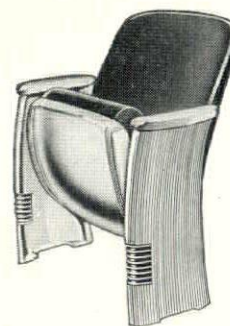
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The ultimate in beauty, durability, comfort. Seats have spring-arch construction; backs have scientific, body-fitting contours. Automatic, uniform, silent,  $\frac{3}{4}$  safety-fold seat action allows more room for passing and sweeping. Acoustically, the full-fabric upholstery compensates for seat vacancies. Wide range of styles, colors, upholstery materials. With or without folding tablet-arm.



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only asphalt tile could cost so little



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## THE PRESIDENT'S MESSAGE

ON behalf of the Officers and Directors of the New York State Association of Architects, may I extend to all members, exhibitors, guests, their ladies and friends, a most cordial welcome to our Annual Convention on October 13, 14, and 15 at the Sheraton-Ten Eyck in Albany, New York.

Our Convention Committee, in cooperation with our co-sponsors, the Eastern New York and Westchester Chapters, has arranged for your pleasure a very interesting program.

At this our Annual and Regional meeting, we have invited as our special guests the members of the graduating classes of the Schools of Architecture of Columbia, Cooper Union, Cornell, Pratt, Rensselaer-Polytechnic and Syracuse. We welcome these youngsters to our profession.

WE will be honored by the presence of one of our own distinguished members, an inspired leader of our profession, George Bain Cummings, President of the American Institute of Architects.

Our Legislative Committee, headed by our Past President and Regional Director, Matthew W. Del Gaudio, has again been successful in opposing amendments to the Education Law which would have weakened the high standards of the profession. I gratefully acknowledge the assistance rendered by all Chapters, Societies and many individual members. We owe a vote of thanks to our State Legislators who with sympathetic understanding and in the best public interest accepted our constructive suggestions and unselfish advice. We are particularly indebted to one of our own members in the Legislature, a public spirited architect, Assemblyman Alfred A. Lama.

WE succeeded in revising parts of the Labor Law, the Multiple Dwelling and Multiple Residence Laws and other laws effecting the design and construction of buildings. We furthered our aims in Public Relations and in our Relations with other Professions, ever mindful of our primary objective to make our profession of ever-increasing service to society.

On the debit side, I regret that we have not yet been able to establish a central office for more efficient conduct of our State Association. May I hopefully repeat the slogan of my favorite team, "Wait till next year."

AS I am about to join a distinguished group of Past Presidents, may I first thank them for their guidance, thank all the committees for their tireless efforts and accomplishments, and thank the membership for their splendid cooperation. May I again say with all sincerity, it was an honor to serve you.

ADOLPH GOLDBERG, President

*New York State Association of Architects*



# COMMERCIAL EXHIBITORS

## Booths

- 1 **ANTHRACITE INDUSTRY COUNCIL,**  
New York, N. Y.  
1 - EFM Fire Jet  
2 - Wagner Unit  
3 - Motorstokor Unit  
4 - Hudson Anthratherm  
5 - EFM Warm Air Unit  
6 - Lehigh Valley Ashaway  
7 - Anthratube  
Mrs. Helen C. Besch, Everett J. Decker,  
Norman C. Curtin, Ernest E. Finn
- 2 **ANCHOR CONCRETE PRODUCTS, INC.,**  
Buffalo, N. Y.  
1 - Mortarless Blocks (Building)  
2 - Ground Face Blocks  
3 - Autoclave Cured Blocks  
4 - Flexicore Precast Floor & Roof Slabs  
5 - Strestcrete Precast Floor & Roof Slabs  
Frederick W. Reinhold, Dan L. Sutter,  
Victor F. Lawson, Harvey A. Lee
- 3 **AMERICAN SEATING COMPANY, Syracuse, N. Y.**  
1 - Auditorium Chairs  
2 - Church Furniture  
3 - School Furniture and Equipment  
4 - Folding Chairs  
E. H. Heneveld, N. E. Wietig, M. E. Kornbluth,  
D. C. Grimm, A. A. Wicks, E. B. Wilcox, W. R. Sonke
- 4 **COLLUM ACOUSTICAL CO., INC., Syracuse, N. Y.**  
1 - Flexwood  
2 - Randomwood } All Wall Covering Mfgd. by  
3 - Kalistron } U. S. Plywood Corp.  
4 - Kalitex  
L. S. Ayars, Robert Dawson
- 5 **ZONOLITE COMPANY, Albany, N. Y.**  
1 - Plaster Aggregate  
2 - Concrete Aggregate  
3 - Acoustical Plastic  
4 - Roof Deck Systems  
5 - Fire Proofing  
Don Rapp, Robert Rauh, Ken Chalker, Jack Clough,  
Art Smith
- 6 & 7 **GENERAL WOODCRAFT COMPANY, INC. &  
WOODCO CORPORATION, North Bergen, N. J.**  
1 - WOODCO E-Zee Loc Wood Awning Window  
2 - WOODCO R.O.W. DeLuxe Removable Wood  
Window  
3 - WOODCO R.O.W. E-Z Hung Self-Storing  
Combination Storm Window & Screen  
4 - WOODCO Casement Window  
5 - WOODCO Removable Sliding Window  
W. A. Gerhold, Jack Kiely, George McVie,  
Walter M. Bill, Mark G. Gilbert, Franklyn H. Hull
- 8 **BINGHAMTON BRICK COMPANY, INC.,**  
Binghamton, N. Y.  
1 - Face Brick  
2 - Glazed Tile  
3 - Old Fashion Moulded Brick  
Clarence Austin, Carl Austin, Chas. Austin,  
Win Estus, Jerry Allen, Larry Fenner
- 9 **WOOD-METAL INDUSTRIES, INC.,**  
New York, N. Y.  
Wood Cabinets and Cases for Institutions, Homemak-  
ing Rooms, Art Rooms, Elementary Classrooms and  
Hospitals  
Austin F. Loucks, Jr., Ray Martino,  
Charles N. O'Brien, T. O. Gronlund
- 10 **TRIO INDUSTRIES, INC., Bridgeport, Conn.**  
1 - Metal, spandrel, hopper, double hung and  
projected windows  
2 - Aluminum and stainless steel doors in aluminum  
frames  
3 - Aluminum and bronze castings  
4 - Church windows  
Louis Toth, A. Milford, Ed Cairns, E. M. Simms,  
Joseph Kiraly

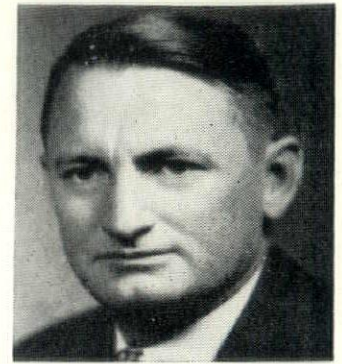
## Booths

- 11 **HORN DIVISION — BRUNSWICK-BALKE-  
COLLANDER CO., Marion, Virginia**  
1 - Folding Gym Seating  
2 - Folding Stage  
3 - Classroom Wardrobes (Portion)  
4 - Folding Partition (Portion)  
F. C. Nicholas, D. E. Warner, J. L. Dawson,  
A. O. Stilwell, E. W. Maurer, A. F. Loucks,  
B. R. Johnson
- 12 **THE MOSAIC TILE COMPANY, New York, N. Y.**  
**CERAMIC FLOOR AND WALL TILE:**  
1 - Carlyle New Green Quarry Tile  
2 - Carlyle Impregnated Abrasive Surface Quarry Tile  
3 - Impervious Conductive Floor Tile  
4 - Spacer Wall Tiles  
5 - Form Free Floor & Wall Tiles  
6 - All-Tile Accessories  
W. E. Kelly, Raymond E. Gear, William S. Jordan
- 13 **LCN CLOSERS INC., Princeton, Illinois**  
Concealed, Semi-concealed, and Exposed Door Closers  
A. D. Dugan, Jr., E. A. Neylon, W. J. Hodge
- 14 **DUR-O-WAL PRODUCTS, INC., Syracuse, N. Y.**  
Dur-O-Wal  
John Ianuzzi, Robert Yenny
- 14 **NEW YORK STATE CONCRETE MASONRY  
ASSOCIATION, INC., Buffalo, N. Y.**  
Concrete Masonry Units  
John D. Daly, William Homer, Kenneth Dagostino,  
George Hoffman, Robert Abbey
- 15 **HARDWARE SALES CO., INC., Darien, Conn.**  
Arcadia Metal Products  
Exterior Sliding Doors & Windows  
E. W. Maurer, Sherwood Brown, Philip C. Johnson,  
Charles Dice, George E. Taylor
- 16 **CONCORD LUMBER COMPANY, INC.,**  
Albany, N. Y.  
1 - Built Well Mill Work  
2 - Ipik Doors  
Frank Barker, George D. Slagen, William T. Haley,  
George A. Eckhardt, William Bradley, Allan I. Jacobson
- 17 **MARTIN FIREPROOFING CORPORATION,**  
Buffalo, N. Y.  
Steel Edge Creteplank  
Chas. A. Martin, Jr., Robert G. Speed,  
Wesley E. Gebhardt
- 18 **NATIONAL CHEMICAL & MANUFACTURING  
COMPANY, Chicago, Ill.**  
Luminall Paints  
John R. Gordon
- 19 **PORTLAND CEMENT ASSOCIATION,**  
New York, N. Y.  
Information on Cements and Concrete Construction  
T. Hunt, N. I. Wray, M. L. Holzer, P. Powers,  
R. A. Sargent, F. J. Dorsey, E. R. Cooley
- 20 **HUNTER DOUGLAS CORPORATION,**  
New York, N. Y.  
Flexalum Audio Visual Venetian Blinds  
Jack Woodward
- 21 **HOLCOMB & HOKE MANUFACTURING CO.,**  
INC., Indianapolis, Indiana  
Foldoor  
A. C. Hoddick, Weston B. Hoddick, S. J. McCarthy,  
Jim Ward, William Doyle
- 22 **FINGER LAKES STONE CO., INC., Ithaca, N. Y.**  
1 - LENROC Seam-Face Bonded Ashlar  
2 - LENROC Sawed-Bed Ashlar  
3 - LENROC Dimension Bluestone  
4 - LENROC Rock Face Stone  
5 - LENROC Flagstone  
6 - LENROC Panelwall  
Robert M. Mueller, Phillip Hodes
- 23 **AMERICAN-OLEAN TILE COMPANY,**  
Lansdale, Pa.  
1 - Glazed Permatile and Glazedvitre  
2 - Unglazed Ceramic Mosaics  
Donald H. Benedict, Walter B. Cherry,  
Robert J. Corless, A. Scott Hamilton, Joseph J. Kufra,  
Harold S. McElroy, Lewis S. Phillips,  
Donald J. Sutherland





Matthew W. Del Gaudio  
*Convention Chairman*

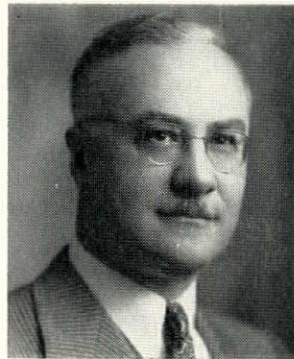


Donald Q. Faragher  
*Co-Chairman*

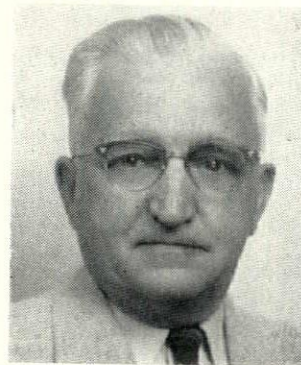
# THE 1955 CONVENTION COMMITTEE



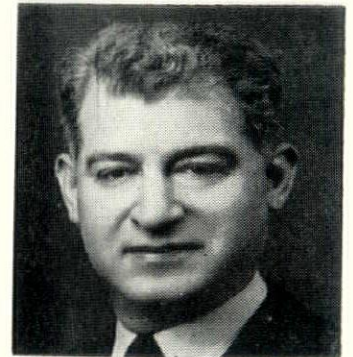
G. Morton Wolfe



Carl W. Clark



Charles R. Ellis



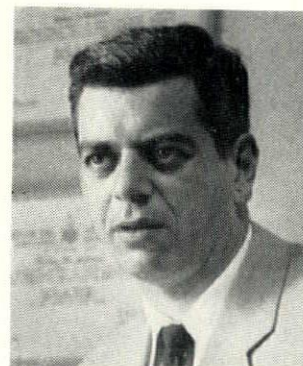
Simeon Heller



Eli Rabineau



Frank J. Matzke



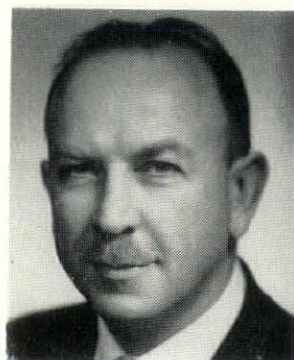
Bailey M. Cadman



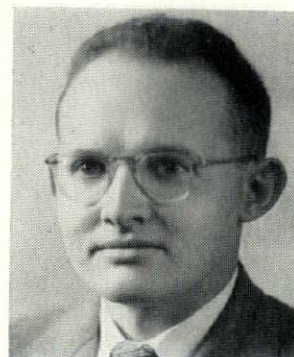
Charles A. Schade



Frederick H. Voss



Gerson T. Hirsch



Fay Auld Evans



William H. Switzer



# PROGRAM

## 1955 CONVENTION

### WEDNESDAY, OCTOBER 12th, 1955

- 2:30 P.M. REGISTRATION — Hotel Lobby — Mr. & Mrs. Simeon Heller in charge  
6:30 P.M. GROUP DINNERS

### THURSDAY, OCTOBER 13th, 1955

- 9:00 A.M. REGISTRATION — Hotel Lobby — Mr. & Mrs. Simeon Heller in charge  
9:30 A.M. OPENING SESSION  
Adolph Goldberg, President New York State Association  
of Architects, presiding  
Report of Board  
Report of Treasurer  
Report of Secretary  
Report of Committees  
Report of Nominating Committee  
12:00 Noon OPENING OF COMMERCIAL EXHIBITS  
G. Morton Wolfe, presiding  
1:30 P.M. LUNCHEON — Ball Room  
Sponsorship of Westchester Chapter, A.I.A.  
*Toastmaster:* Gerson T. Hirsch, President Westchester Chapter, A.I.A.  
*Welcome:* Mayor Erastus Corning  
*Response:* President Adolph Goldberg  
*Introductions*  
*Speakers:*  
George Bain Cummings, President American Institute of Architects  
Walter A. Taylor, Director Education and Research, A.I.A.  
3:00 P.M. LECTURES — Donald Q. Faragher, presiding  
*Subject:* "Adequate Wiring"  
3:00 P.M. TOUR — Ten Broeck Mansion — Mrs. Sarkis Arkell, hostess  
4:00 P.M. COSTUME TEA — Ten Broeck Mansion  
6:00 P.M. PRESIDENT'S RECEPTION  
7:00 P.M. VISIT EXHIBITS  
8:00 P.M. BUFFET DINNER  
9:30 P.M. MUSIC AND DANCING

### FRIDAY, OCTOBER 14th, 1955

- 9:30 A.M. SECOND SESSION  
President Adolph Goldberg presiding  
Reports  
Election of Officers  
1:00 P.M. LUNCHEON — Ball Room  
Sponsorship of Eastern New York Chapter, A.I.A.  
*Toastmaster:* James A. Mero, President Eastern New York Chapter, A.I.A.  
*Speaker:* Harold D. Hauf, Head of Architecture,  
Rensselaer Polytechnic Institute  
2:30 P.M. SEMINARS  
*Subject:* "Young Architect's Future"  
*Panel:* 2 students, 2 practicing architects, 2 educators  
4:30 P.M. REGIONAL MEETING, A.I.A.  
Matthew W. Del Gaudio, Regional Director New York  
District, A.I.A., presiding



- 7:30 P.M. ANNUAL BANQUET  
*Toastmaster:* President Adolph Goldberg  
*Introductions*  
*Speaker:* Cameron Ralston  
*Subject:* "The Battle for Men's Minds"

## SATURDAY, OCTOBER 15th, 1955

- 9:30 A.M. FINAL SESSION  
 President Adolph Goldberg, presiding  
 Reports  
 Report of Resolutions Committee  
 Resolutions and Announcements
- 1:00 P.M. LUNCHEON — Ball Room  
*Toastmaster:* Matthew W. Del Gaudio  
*Installation of Officers:* Matthew W. Del Gaudio
- 2:00 P.M. AWARDS  
 G. Morton Wolfe, presiding
- 2:30 P.M. DIRECTOR'S MEETING

## Women's Program

### WEDNESDAY, OCTOBER 12th, 1955

- 2:30 P.M. REGISTRATION — Hotel Lobby — Mr. & Mrs. Simeon Heller in charge
- 6:30 P.M. GROUP DINNERS

### THURSDAY, OCTOBER 13th, 1955

- 9:00 A.M. REGISTRATION — Hotel Lobby — Mr. & Mrs. Simeon Heller in charge
- 1:30 P.M. LUNCHEON — Ball Room
- 3:00 P.M. TOUR — Ten Broeck Mansion — Mrs. Sarkis Arkell, hostess
- 4:00 P.M. COSTUME TEA — Ten Broeck Mansion
- 6:00 P.M. PRESIDENT'S RECEPTION
- 7:00 P.M. VISIT EXHIBITS
- 8:00 P.M. BUFFET DINNER
- 9:30 P.M. MUSIC AND DANCING

### FRIDAY, OCTOBER 14th, 1955

- 9:30 A.M. VISIT EXHIBITS
- 1:00 P.M. LUNCHEON — DeWitt Clinton Hotel  
 Fashion Show — Accessories — Door Prizes
- 3:30 P.M. SHOPPING, SIGHTSEEING
- 7:30 P.M. ANNUAL BANQUET

### SATURDAY, OCTOBER 15th, 1955

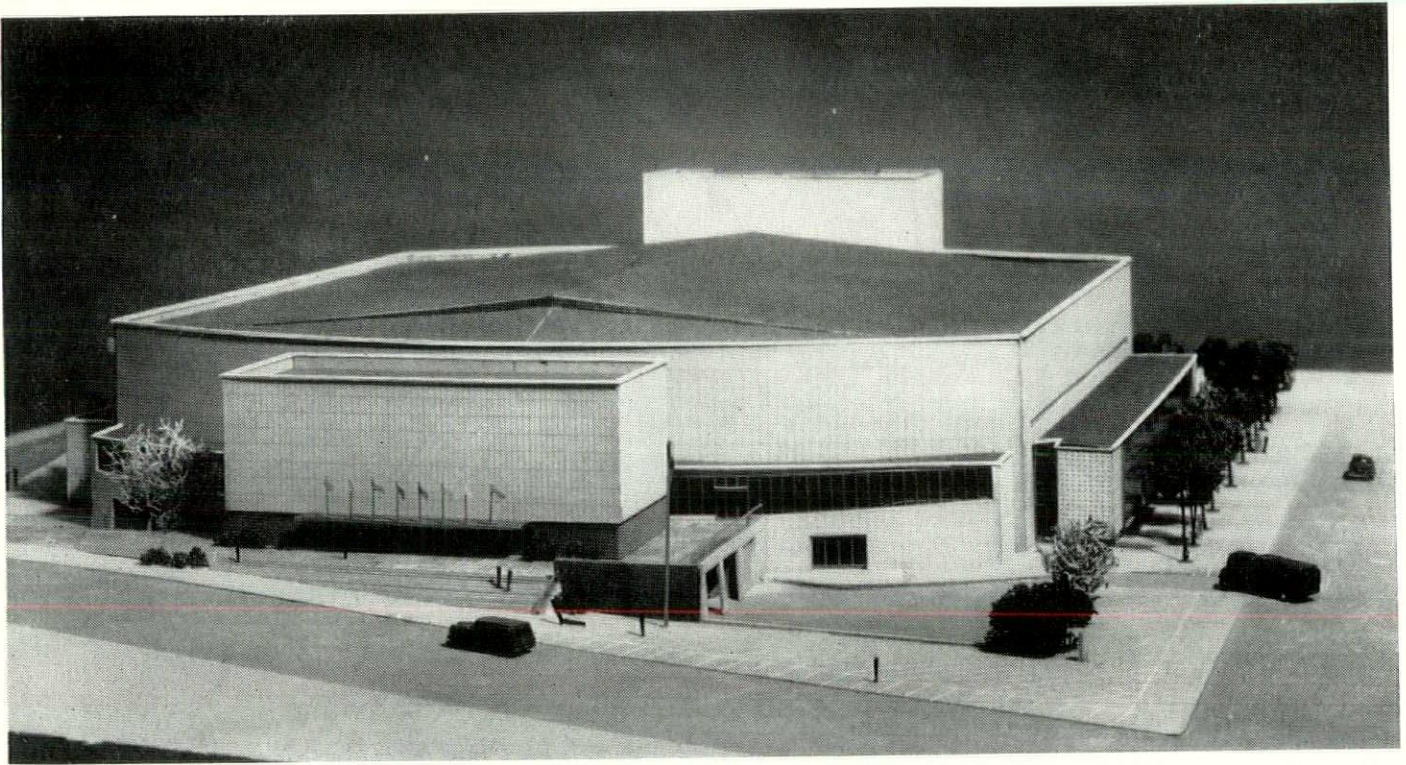
- 9:30 A.M. SHOPPING, PACKING
- 1:00 P.M. LUNCHEON — Ball Room
- 2:00 P.M. AWARDS  
 G. Morton Wolfe, presiding



# THE COMMUNITY WAR MEMORIAL

ROCHESTER, N. Y.

WAASDORP AND NORTHRUP, *Architects*  
*Partner in charge of design, ROGER O. AUSTIN*  
ROBESON & WOESE, *Mechanical Engineers*  
BENJAMIN OLNEY, *Acoustical Engineer*



The Community War Memorial for the City of Rochester was designed to provide a civic building of sufficient seating capacity and working facilities to accommodate all types of public events and assemblies and to provide much needed offices and meeting rooms for veteran groups. It is located on a downtown site adjacent to the business district and is bounded on three sides by major streets and on the fourth by the Genesee River. As the second unit of Rochester's Civic Center, the building has a limestone exterior with black granite trim and aluminum sash to blend with the Civic Center's first unit, the Rundel Memorial Library Building across the river. The master-planning for the complete Civic Center is now underway, and it is expected that working drawings for individual buildings will commence shortly.

The basic components of the Community War Memorial consist of a horse-shoe shaped seating deck in an arena auditorium, a stage and stagehouse to the south, a memorial room over the north lobby, a pair of two story office wings one on each side of the auditorium and a basement which, in addition to service and storage areas, contains 55,000 square feet of exhibition space.

The auditorium has a clear span of 260 feet with a 43 foot clear height to the bottom chord of the steel trusses over the arena. Surrounding the arena is the permanent seating deck for 6,000 seats with additional temporary seating on the main floor for almost 4,000 more. These facilities are served by promenades cir-

cling the seating deck with vomitories providing access to individual sections. Public toilets and concession areas are distributed along the promenades. These are smaller than usual with more of them to ease circulation. The main arena floor is equipped with an 85 foot by 200 foot ice rink, suitable for professional hockey and ice extravaganzas. The refrigerant for the rink floor is circulated through 10 miles of 1 inch wrought iron pipe embedded in a monolithic, free-floating concrete slab. A portable wood floor will also be available to cover the arena floor and rink areas for basketball games. The basement of the building was originally designed as a bomb shelter, and as a result the arena floor itself consists of from 16 to 19 inches of reinforced concrete to shield against radiation and to withstand the impact of the entire building falling in on it. This, incidentally, will permit loadings up to 1,000 pounds per square foot.

The stage which is 100 feet long and 40 feet deep is equipped with fly gallery and gridiron and is of sufficient size to accommodate large choruses, patriotic presentations or other events requiring a large cast. Underneath this unit are two stories of dressing rooms, storage space and service rooms.

While economy and ease of maintenance has been the keynote in the choice of materials for the building, special attention has been given to the memorial room consistent with its consecration to the memory of Rochester's War Dead. Physically separated from the noise and bustle of the rest of the building, the room

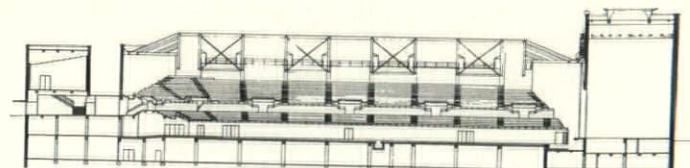


is finished in travertine, terrazzo, bronze and walnut, and is designed as a dignified and appropriate background for the memorial character of the room.

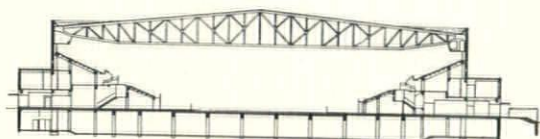
Veteran facilities in the office wings consist of 18 offices and 8 meeting rooms which may accommodate a total of 700 persons simultaneously.

Within the basement exhibition space which is served by a vehicular ramp, it is possible at any point to set up a full-size one-story house complete with all mechanical facilities. A difference in grade between street elevations and the river bank permits the basement exhibition hall to open out on the outdoor plaza between the building and the river wall, thereby allowing the public to enter this convention space independent of the rest of the building and providing convention goers with unusually pleasant surroundings. In this connection, it is possible to have a hockey game in progress on the main floor, a convention exhibit in the basement, a memorial service in the memorial room and numerous individual meetings in independent rooms all going on at the same time with no cross-circulation. Another advantage due to the difference in exterior grades was the opportunity at the main entrance to get people into the building midway of the seating deck.

Particular attention was paid to the acoustics of the building with an acoustic roof deck covering the entire auditorium and varying sizes of acoustic sounding board panels on the end walls. This is coupled with a flexible public address system for paging and program use which is piped all through the building. Microphone circuits include pick-up jacks located at 79 points, and the entire sound system employs over 180 speakers of varied design. In addition an inter-



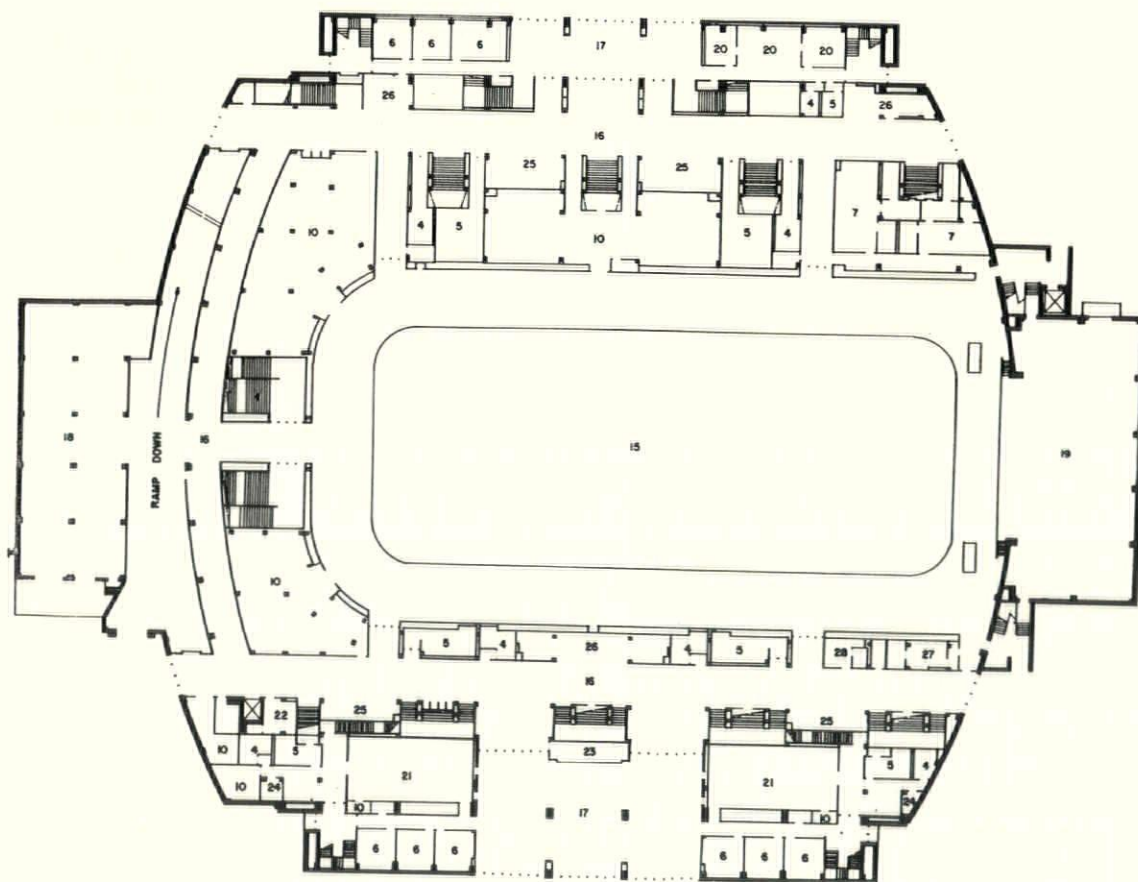
LONGITUDINAL SECTION  
SCALE - 1/4" = 1'-0"



CROSS SECTION  
SCALE - 1/4" = 1'-0"

com system provides instant two-way phone service between any or all of its 24 operating points. The phone system also includes pay phones for the public and the building's own switchboard for incoming and outgoing calls.

Two control galleries, each 150 feet long and on either side of the building, are located above the seating deck overlooking the auditorium and equipped for cameras, radio and television. There are individual police, first aid and broadcast rooms and separate locker room facilities for teams, umpires, janitors, ushers, and maintenance employees in addition to stage and orchestra dressing and locker rooms. There are three elevators in the building, one for general freight, one to the main floor for stage dressing and team rooms and one to the memorial room for dis-



- KEY
- 4 - WOMEN'S TOILET
  - 5 - MEN'S TOILET
  - 6 - OFFICE
  - 7 - TEAM ROOM
  - 10 - STORAGE
  - 15 - ARENA AREA
  - 16 - PROMENADE
  - 17 - MAIN LOBBY
  - 18 - RECEIVING AREA
  - 19 - STAGE
  - 20 - ADMINISTRATION OFFICE
  - 21 - MEETING ROOM
  - 22 - POLICE ROOM
  - 23 - TICKET WINDOWS
  - 24 - PANTRY
  - 25 - CONCESSION AREA
  - 26 - CHECK ROOM
  - 27 - REFEREE'S ROOM
  - 28 - FIRST AID ROOM

FIRST FLOOR PLAN  
SCALE - 1/4" = 1'-0"



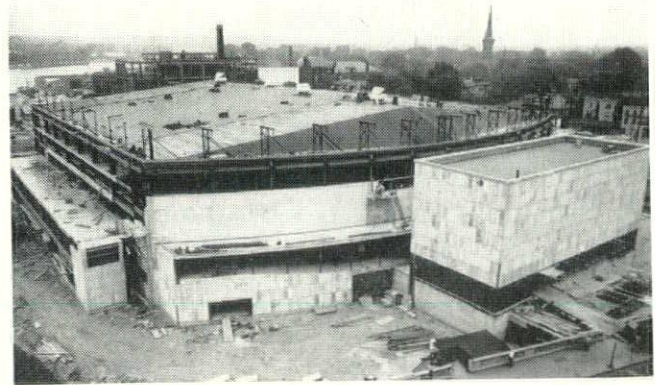
abled veterans. All equipment for the building requiring personnel for handling has been standardized for operating economy and designed for speedy erection and disassembly.

The mechanical systems in the building, as has been suggested above, are many and varied. For example, there is more electric power available than in an area equal to three city blocks. Houselights are accessible from more than 1500 feet of steel catwalks in the truss space over the auditorium, and it is possible to produce 100 foot candles on the arena floor from 43 feet in the air. All D.C. spotlights are on elevator platforms for flexibility of handling under different conditions. The building is equipped with a panic-proof stand-by electric system in case of a power failure.

The heating system is supplied from city high pressure steam and eight units supply filtered and tempered air to the auditorium at the rate of 200,000 cfm and to the basement exhibition space at the rate of 106,700 cfm. In addition four roof purge exhaust fans, each rated at 21,000 cfm are located over the auditorium proper. The complete ventilating system includes 53 motor-driven fans varying in capacity from 520 to 50,000 cfm with from fractional to 25 horsepower motors. 100 tons of sheet metal was used to fabricate ductwork and equipment housings.

There are 46 toilet rooms and 12 shower rooms in addition to drinking fountains, concession and service sinks, and a sprinkler system with water flow alarm devices in the building engineer's office is located in each of the building's five basement fan rooms.

To assure flexibility and to allow for future changes, all mechanical services are brought to alternate

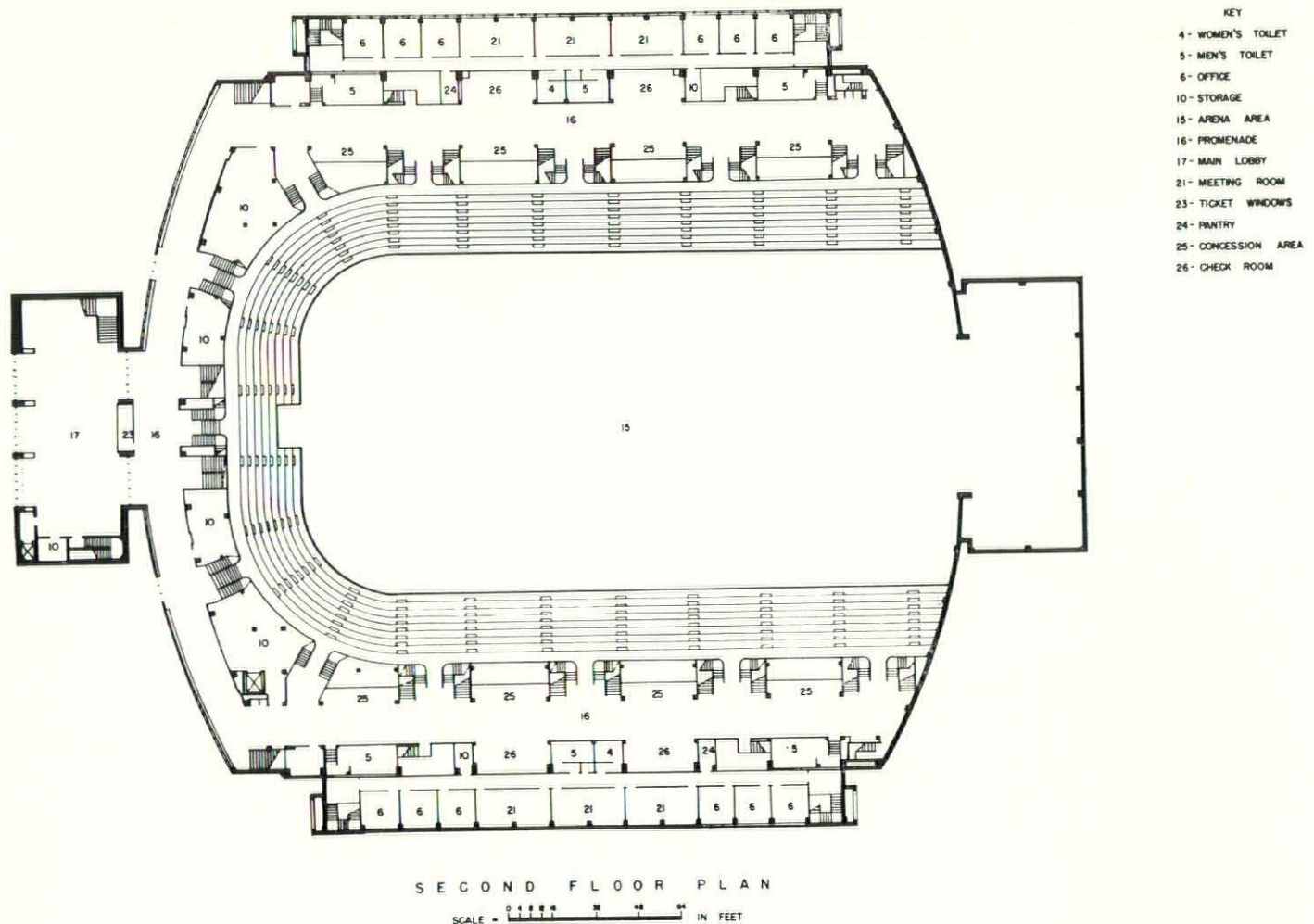


columns in the basement exhibition space, and at strategic points in the building, 8 inch welded steel communication ports are run the full height of the building and tied in with horizontal ducts at certain places so that future services may be run with a minimum disturbance to the existing structure.

The quantities of materials required for this 6,700,000 cubic foot structure are considerable as the following list indicates:

- 35,000 feet or 75 carloads of limestone
- 2,800 tons of structural steel
- 430 tons of reinforcing steel
- 30 carloads of structural facing tile
- 100 truckloads of loadbearing tile
- 20 carloads of common brick

The total of the six prime contracts (General Construction, Heating, Ventilation, Refrigeration, Plumbing and Electrical) to date is \$5,400,000.00.





# RESEARCH AND ENGINEERING CENTER

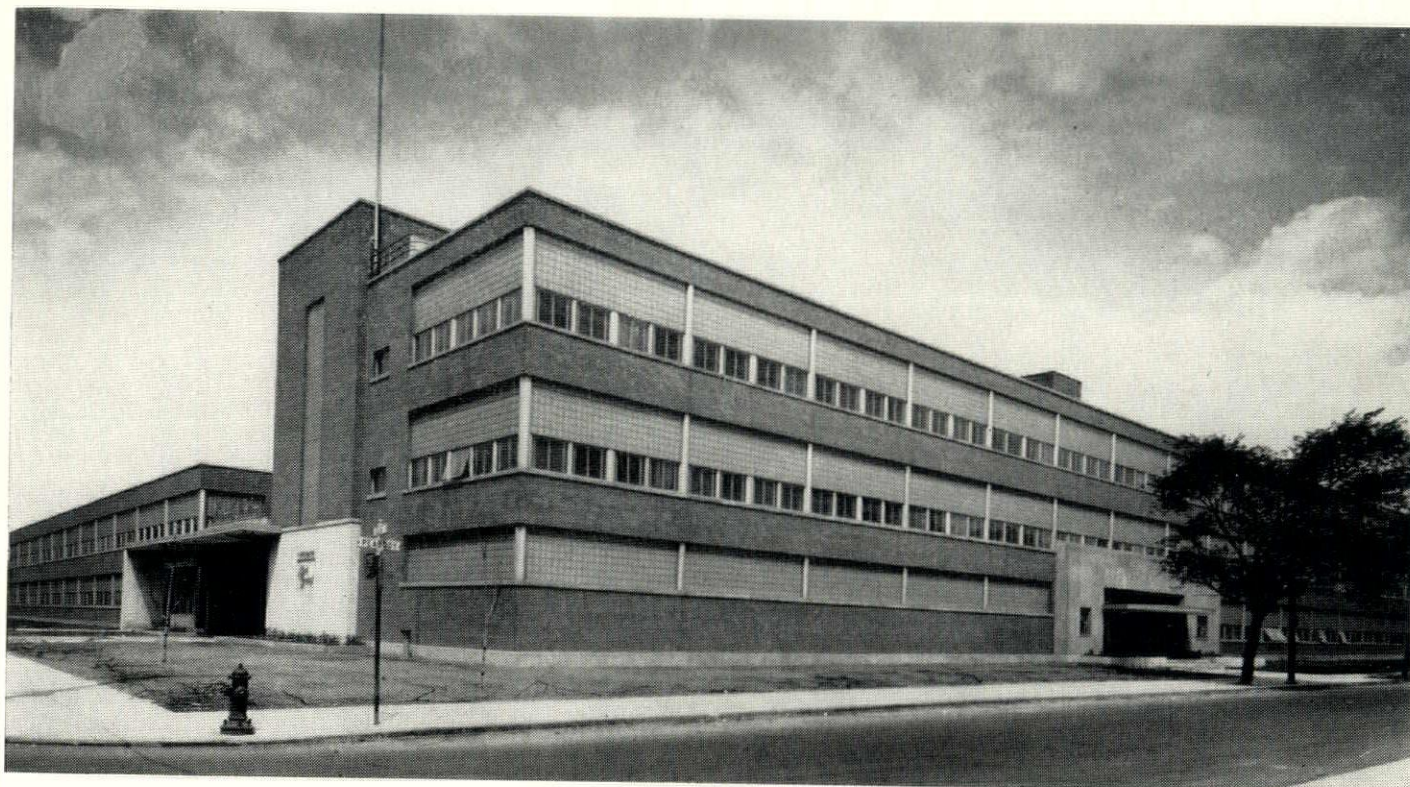
## NATIONAL ANILINE DIVISION

### ALLIED CHEMICAL & DYE CORPORATION

BUFFALO, N. Y.

SHELGREN & WHITMAN, *Architects*

JOHN Y. SLOAN, *Associate*



National's Research & Engineering Center, located on the Northwest corner of Peabody and Elk Streets, comprises two buildings — a Research & Development Building and an Engineering Building — joined by a vehicle gateway opening onto Elk Street. It will provide chemical research and development service to all National Aniline Division plants and facilities located throughout the United States.

The buildings are of fire-resisting construction and are sprinkled throughout. Construction is steel frame on H piling to rock; brick exterior walls with celocrete block back-up, continuous windows of glass, glass block and stainless steel; reinforced concrete floor and roof construction — Research; slab on ground and slab on bar joist floors, Kalo tile on long span joist roof construction — Engineering.

The Research Building is a three-story structure 337' x 58' with a floor area of 36,500 sq. ft. devoted to laboratories and 20,000 sq. ft. for offices, library and service facilities. A one-story wing 111' long, extending north of the three-story structure, is occupied by Dye Application Research. Totally, the Research Building contains 63,000 sq. ft. and provides for an initial occupancy of approximately 165 persons.

The Engineering Building, two stories in height, corresponds architecturally to the Research Building and together comprise a center for technological service. The Engineering Building is 208' x 58', with a total floor area of 23,000 sq. ft., providing for initial occupancy of approximately 135 persons.

The Center is the result of a long period of study and research on the part of National Aniline, and the close cooperation between their Engineering and Research Departments and the Architects. Their Assistance was invaluable in working out the many intricate problems which such an undertaking entails, and they were most generous of their time.

Research contains 19 typical laboratories, approximately 32' x 24' exclusive of Dye Application wing. In addition, there are 7 laboratories and special equipment rooms 18' x 24', suitable chemical storage and supply rooms, a glass apparatus fabricating shop, and a machine shop for research requirements. Group leaders offices are located adjacent to their laboratories, with separate rooms for washing glass ware.

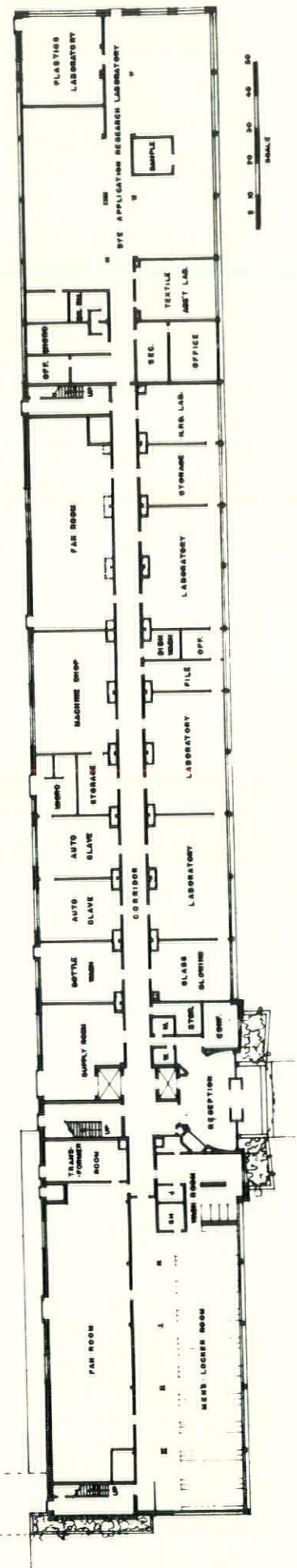
Typical laboratories have 2 wall and 3 island benches, giving a total of 92 linear feet of bench space. Most of the benches are equipped with agitators,



FLOOR PLAN  
ENGINEERING BUILDING  
AND  
RESEARCH AND DEVELOPMENT BUILDING



## RESEARCH AND DEVELOPMENT BUILDING







Lobby — Research Building

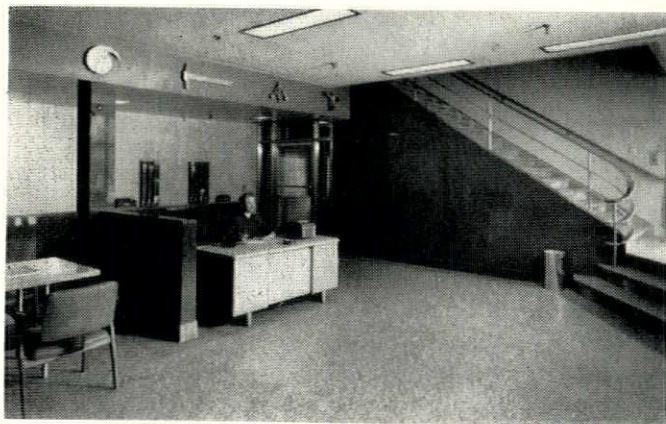
powered with a separate motor for each bench. At least two fume hoods are installed in each room and a separate exhaust fan is provided for each hood. Hood exhaust ducts are transite and will handle approximately 1200 cu. ft. of air per minute. Copper piping is installed on benches and services provide water, steam, air, vacuum, gas and electric, with distilled water to certain benches. Average occupancy of a typical laboratory is 6 men. The walls of the laboratories, corridors, and most of the rooms in these areas are a light mottle green glazed structural tile.

Piping and conduits are of fundamental concern in a building such as Research; they must be orderly, have a minimum of exposed piping, and the concealed piping made accessible. This was accomplished by running the main supply lines from the Fan Rooms at the Ground Floor corridor ceiling. Take offs at the center of each typical laboratory extend approximately 9 ft. into the room and lateral from this point the length of the room. From these supply lines, at the Ground Floor ceiling services are supplied to the benches by extending through the Second Floor slab above into the benches, and dropping down to the Ground Floor benches, wherever they occur. Vertical supply shafts are provided in each laboratory, at the center of the corridor wall in all typical laboratories, and this same distribution occurs at the Second Floor ceiling for Third Floor service. At the corridor wall corners of each typical laboratory, adjacent to the

hood, are similar shafts which contain exhaust ducts to the fans on the roof, together with waste lines, which drop down in a majority of the vertical shafts. These vertical shafts in each laboratory are made up of 7/16" integrally colored asbestos panels matching the walls. They are supported on slotted pressed steel studs forming a fire-resisting enclosure; the panels being removable to allow access to the piping. The lines on the laboratory ceilings are enclosed in a similar manner, so that most of the laboratory piping is concealed, while at the same time, access to the lines is possible when occasion arises.

The Lobby of the Research Building is semi-circular with terrazzo floor, light birch flush panelled walls, stainless steel doors, cove lighting, and a decorative frieze representing the graphic formulae for chemical compounds common to National Aniline's operations.

The Engineering Building provides offices for Engineering administration and supervision, printing and photography, mechanical and power service supervision, purchasing, long range planning and public relations. A large drafting room on the Second Floor has north light and the offices on each floor are set apart by flush steel partitions.

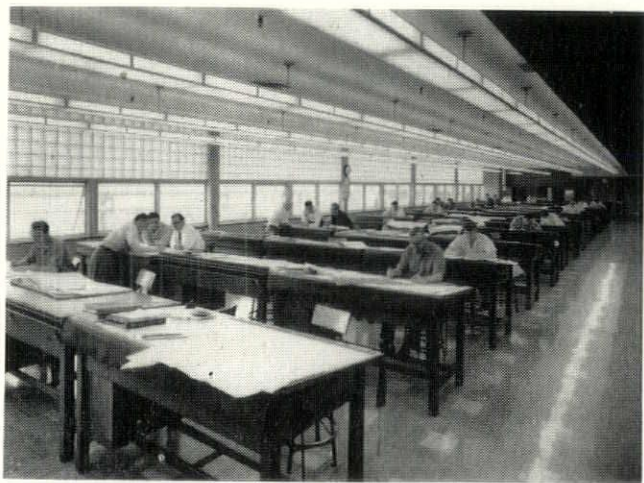


Lobby — Engineering Building

The Lobby of the Engineering Building has green terrazzo floor and stair treads, sand color tile walls, red granite stair facing and low dividing walls; stainless steel doors, stair risers and balustrade; and a decorative frieze consisting of 12 symbols in stainless steel and brass, representing devices developed by and used in Engineering.

The greater portion of the Engineering Building and the office portion of Research is Winter and Summer air conditioned. Air in the laboratories is exhausted through the hoods by the roof fans, which run continuously while the building is occupied and is capable of changing the room air every 4 1/2 minutes. Over-night heat and supplementary heat during the day is furnished by hot water baseboard radiation.

The project was completed in the Spring of 1955 and formally opened with Open House ceremonies May 19 through May 21. Siegfried Construction Company was General Contractor; Quackenbush Company, Heating and Ventilating Contractor; Carl Grimm, Plumbing Contractor, and Volker Brothers, Electric Contractor on the Research Building; George D. Clucas, Plumbing Contractor, and Ferguson Electric Construction Company, Electric Contractor on the Engineering Building.



Drafting Room — Engineering Building





## NEW YORK COLISEUM

OWNER: Triborough Bridge and Tunnel Authority —  
Honorable Robert Moses, Chairman

ARCHITECT: Leon and Lionel Levy — New York City

STRUCTURAL ENGINEER: Jacob Feld, Ph.D. —  
New York City

MECHANICAL ENGINEER: Guy B. Panero — New York City

GENERAL CONTRACTOR: Walsh-Fuller-Slattery —  
New York City

The building has three main functional parts — a Garage for 800 cars, occupying two sub-surface floors — the Coliseum proper, which has over 300,000 square feet of open area on four main exhibition levels, plus intermediate or mezzanine floors and storage spaces — and the Office Building which has twenty floors, the lowest rentable one of which begins at the Coliseum roof level.

The three functional divisions do not conflict in any way in the matter of access or transportation facilities, but these items are integrated in such way as to provide ease of movement and management control at all times between the various areas, where necessary.

The Coliseum itself provides a vast area for exhibit or show purposes, which can be used wholly by one large show, or in part concurrently, by several different ones.

There is no fixed seating, nor is the building designed as a sports arena, similar to Madison Square Garden. It is not contemplated that it will be used for the accommodation of seated delegates at a convention, although the large halls could be filled with a large number of temporary seats, should the necessity arise. Many meeting rooms of various sizes have been provided, at the various levels.

A great effort has been made in the planning to attain a degree of efficiency in trucking movement and in the unloading and loading of the display merchandise and equipment for each show. Large elevators have been provided for this purpose (one being of 75,000 lbs. capacity and 48' long to accommodate a fully-loaded trailer truck) and drive-in access is possible to both the street level Exhibition Hall and the Main Exhibition Hall (22'-6" above grade) by direct



door openings and ramps. These, in addition to the off-street truck concourses and loading platforms, will ensure the virtual elimination of the traffic problem usually caused in city streets by similar operations where no such provisions have been made.

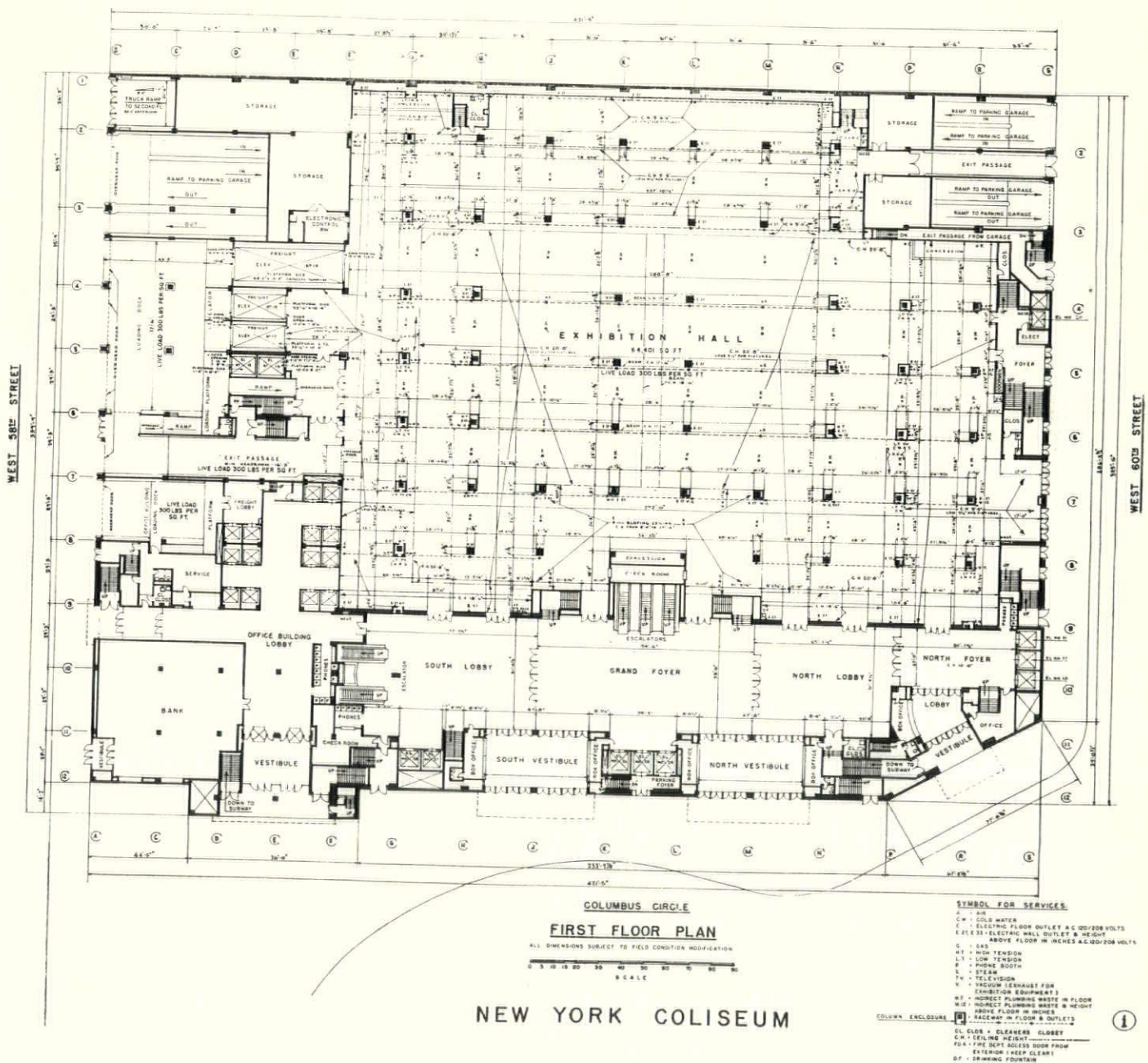
The construction of the building to the top level of the Coliseum is of reinforced concrete. Conventional steel and concrete design is employed above this level. Floor loadings are 300 pounds per square foot on the first two exhibit levels, 200 pounds in the first Mezzanine level and 150 on the second Mezzanine level. These loadings will enable normal sized trucks to be driven safely in any floor, and the largest trailers on the lower floors.

The building is well provided with service and back-up storage space, so that exhibitions will find adequate facilities in this regard.

The exhibition floors are honey-combed with a system of under-floor ducts, through which electric power, gas, compressed air, water, drainage and other service may be supplied to the individual exhibitor's booth area, at any part of the exhibit floor.

The exterior of the building is of gray brick with a darker gray used in the window spandrels of the Office Building. The base course of the building is mahogany granite veneer.

The cost of the structure will be approximately \$33,000,000.00.





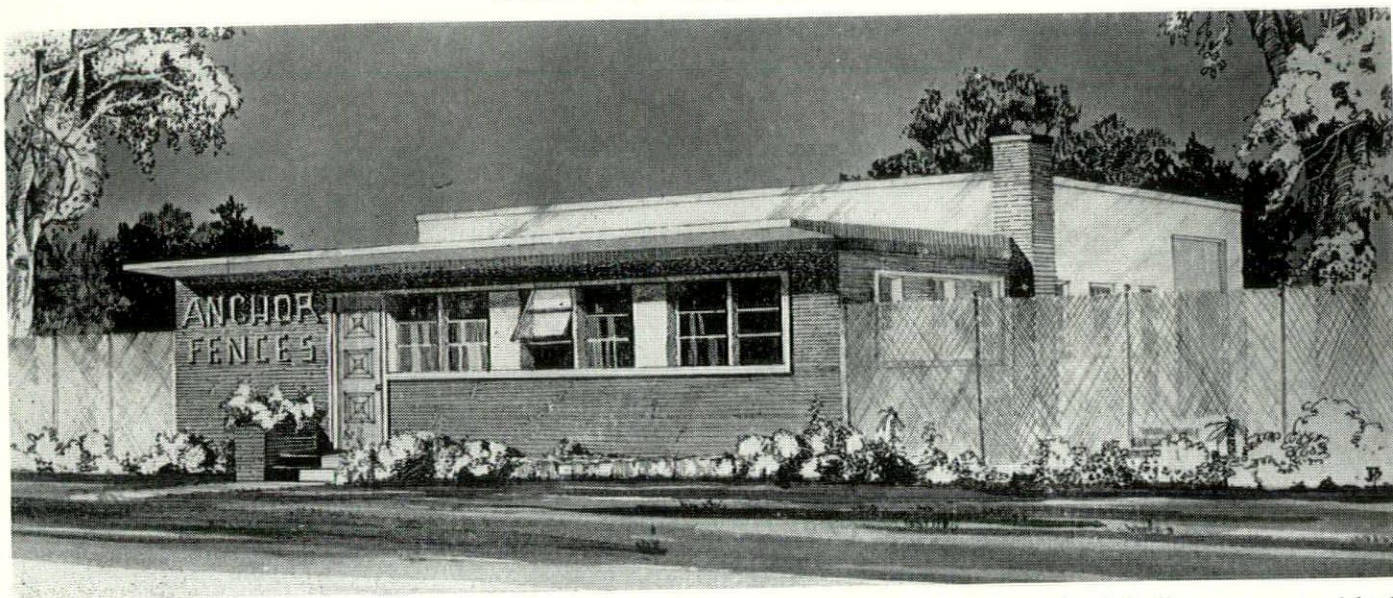
# BRANCH OFFICE—WAREHOUSE BUILDING

## ANCHOR FENCE DIVISION

### ANCHOR POST PRODUCTS, INC.

ELMSFORD, NEW YORK

MILLARD F. WHITESIDE, *Architect*



The Elmsford, N. Y. branch Office-Warehouse for the Anchor Fence Co. was designed to meet the growing needs of a nation wide organization which realizes the need for scattered sales facilities which have on hand a supply of materials to meet immediate demands.

This branch has a sales area which includes Westchester, Putnam, and Dutchess counties in New York State, Fairfield County in Connecticut, and will probably expand this territory when the new Nyack-Tarrytown bridge is opened.

The site selected is on a state road in an area that was a swamp for many years. This fact necessitated a great deal of fill and the use of piles to support the building. Concrete filled steel piles were used with connecting reinforced concrete grade beams.

Building is constructed of hollow concrete block construction with a bonded brick veneer on the exterior walls of the office part only. Door and window trim is of limestone. After the installation of 'under floor' utility lines a reinforced concrete floor was poured in order to establish a platform from which to erect the walls, partitions and roof.

Outside dimensions of the building are 44' x 44' which provides for approximately 800 sq. ft. of office space and 1000 sq. ft. of warehouse area. Office and warehouse are divided by a masonry bearing wall which supports the wood roof beams at the different levels. Office ceiling is 9'-0" and warehouse ceiling is 12'-0".

Office space is divided into a general administrative and reception area, a salesman's office and a private office for the sales manager. Toilets and heater room fall within this area. Floors are asphalt tile, walls of decorative plywoods and ceiling of acoustic tile.

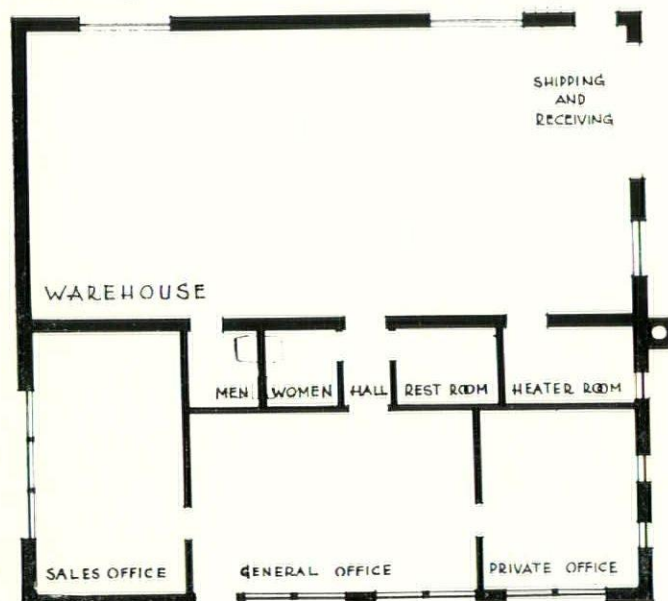
Warehouse space will have concrete floor, exposed block walls, and a sheetrock ceiling. This area is used for the storage of small parts. Fencing is stored in the open yard.

The walls and ceiling of the office section are insulated as is the ceiling of the warehouse. Windows are aluminum projected type sash.

Heating is by a forced warm air, gas fired unit. Lighting is generally fluorescent with incandescent lights in the warehouse.

Piles were driven by The Underpinning and Foundation Co. of New York and the DeLuca Construction Co. of Elmsford has the general contract. Cost of piles, \$5,400.00. General contract is \$23,665.00 which includes the pile caps and grade beams. Cost per square foot, including sub structure work, is \$15.00. Cost per cubic foot, including sub structure work, is \$1.32.

Cost of land, landscaping, and paving of outside storage areas is not included in the above costs.



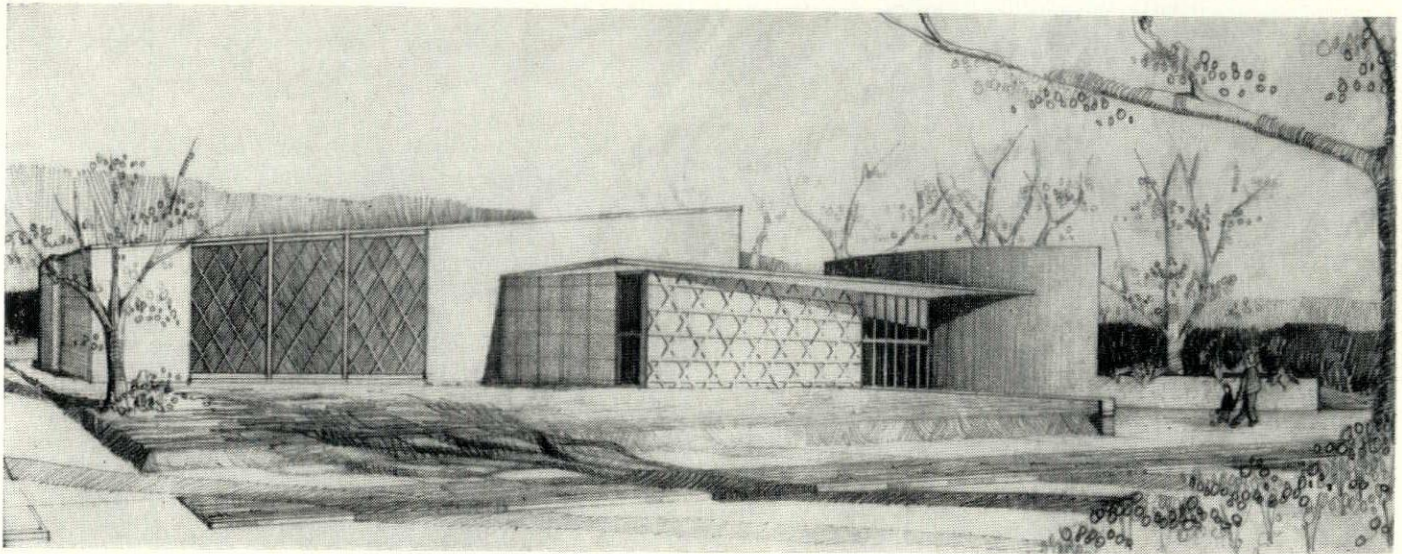
First Floor Plan



# THE NEW SYNAGOGUE FOR YOUNG ISRAEL OF SYRACUSE

GORDON P. SCHOPFER, *Architect*

VICTOR E. HALL, *Consulting Engineer*  
*Structural & Mechanical*



The overall design and approach for the Jewish Orthodox Synagogue and School for Young Israel of Syracuse has been molded around the traditional and ritualistic requirements.

The site, although small in size, is ideally located in the center of Jewish activities in the City of Syracuse, and within easy walking distance of its members. The entire building serves as a spiritual, educational, and social background for its members.

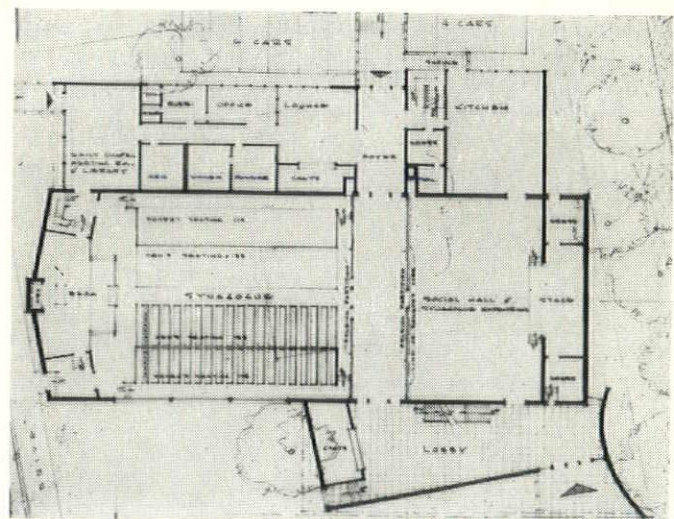
The building is divided into various sections which may be independently utilized or combined for the various functions and religious programs. The major portions of the building consist of:

- A. — Synagogue, providing seating for 266 men and 228 women. The women are seated separately, elevated above the men's seating area, and screened therefrom. Expansion for seating, for high holy days, is primarily provided for the men, on the lower level. The approximate total requirements for women have been met, or can be increased by seating in a balcony over the social hall. The bema and ark are designed in a traditional manner.
- B. — The daily chapel and rabbi's office are separated from the synagogue and adjacent thereto, along with a lounge and rest area. This area is to be used dually as much as possible.
- C. — The social hall and kitchen are separated from the synagogue proper by folding partitions which allow for expansion to the synagogue and also provide a hallway between the synagogue and social hall for circulation purposes. The social hall has a stage with dressing areas adjacent, and a balcony designed for future addition. The kitchen, adjacent to this social hall, is designed to maintain orthodox Jewish requirements, separating dairy products from the meat products, etc.
- D. — Above the daily chapel, office, lounge and kitchen area, future classrooms are to be installed. The stairway adjacent to the kitchen and to the bema and daily chapel will be extended to the second floor area at its time of construction.

E. — A large lobby, with coat room, is provided on the north side of the building, which will become the main entrance to the building. Unlike other religious buildings, the members of this synagogue must walk to services, so a larger than normal lobby area is a requirement in inclement weather, and to also provide necessary space for other ritualistic matters.

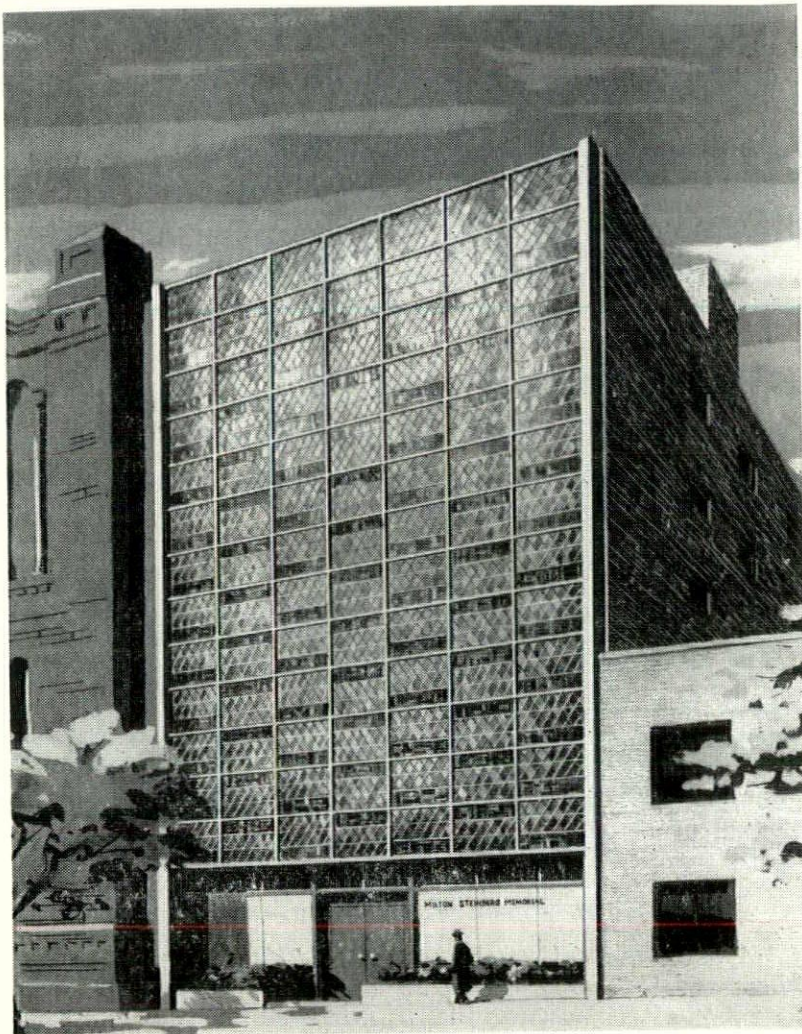
The exterior of the building, particularly of the synagogue and social hall, or major portion, was dictated by the inclusion of future balcony and also from an acoustical standpoint, since no mechanical devices (public address systems, etc.) are allowed. The lobby wall ornamentation is of cast stone with a raised design motif, consisting of the Star of David. The curved brick wall will become the background of a piece of sculpture of some religious significance.

The entire structure is of structural steel masonry with brick exterior, except for the aforementioned stone panels.



FIRST FLOOR PLAN





# THE MILTON STEINBERG HOUSE

NEW YORK, N. Y.

KELLY & GRUZEN, *Architects*

S. ROBERT GREENSTEIN, *Associate Architect*

## PRINCIPAL DESIGN FEATURES:

The Milton Steinberg House is a five-story and basement building, of reinforced concrete frame, in which the entire facade is sheathed with a stained glass mural — making it the first known building in the world having a facade completely fabricated of stained glass.

As an extension to the Park Avenue Synagogue (a conservative congregation of some 750 families), the structure was planned to provide new and more adequate facilities for the educational and social activities of the congregation; and also to honor the memory of the late Rabbi Milton Steinberg, spiritual leader of the congregation from 1933 until his untimely death at the age of 46 in 1950. (Rabbi Steinberg was renowned as a scholar, writer and lecturer on problems of Jewish Life. He was the author of: "Making of the Modern Jew," 1934; "As a Driven Leaf," 1940; "Partisan Guide to the Jewish Problem," 1945; "Basic Judaism," 1945.)

The architectural treatment of the Milton Steinberg Home is contemporary in approach, with its design aimed at blending with the traditionally religious character of the adjacent synagogue — though remaining sufficiently different to achieve its own identity as a separately functioning unit. Its functions, both as a religious and community building, and also as a memorial, are emphasized by the stained glass facade

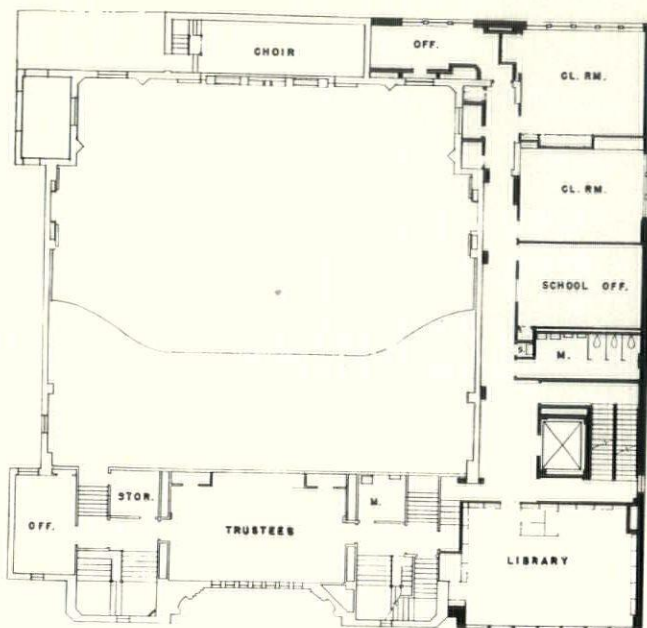
upon which a group of murals by artist Adolph Gottlieb depict various holidays and traditions of Jewish life.

This technique represents a departure from tradition through the introduction of an entire facade covered with a skin of stained glass rather than just a series of separated windows. The design embodies 1,300 square feet of glass comprised of 91 individual window panels covering four floors. One third of the glass is designed and painted to contain 21 individual, abstract paintings portraying the religious holidays and traditions. Each of the 21 paintings is repeated four or five times at different points on the facade, forming a "checkerboard" pattern against a background of traditional, diamond-shaped stained glass panes which compose the remainder of the facade. The paintings are on "antique glass" imported from Europe; the diamond-shaped panes are an American made "marine antique" glass.

The facade was designed to show off the glass to its fullest extent by eliminating all spandrels and reducing the visible floor construction to a thickness of 2½ inches, which is covered by an aluminum member.

As all mullions, both horizontal and vertical are 2½ inches, the structural elements do not interrupt the glass facade. The stained glass will extend from floor to ceiling in each room. A number of the individual glass panels on each floor level can be opened as windows for ventilation.





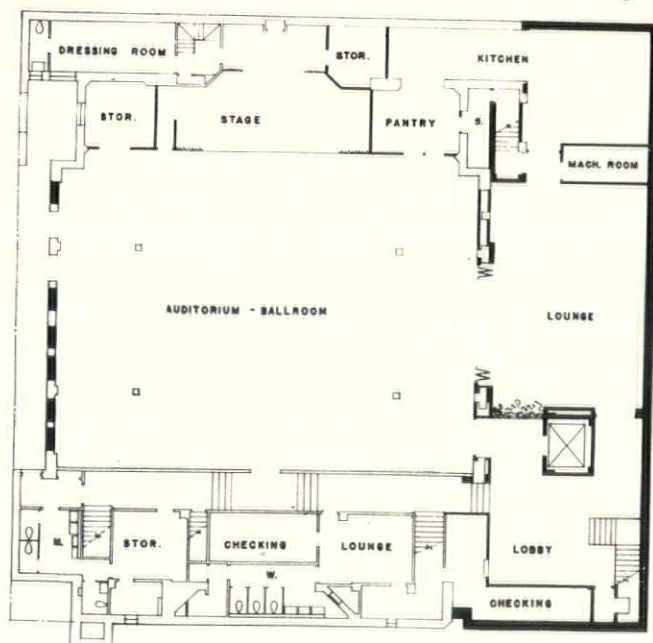
SECOND FLOOR PLAN

Unlike former uses of glass, the facade is designed to have meaning from the exterior as well as from the interior. Since the vivid and varied colors of the murals occupy larger spaces and areas, as painted surfaces, than is ordinarily found in stained glass, the colors are subdued but yet visible from the outside.

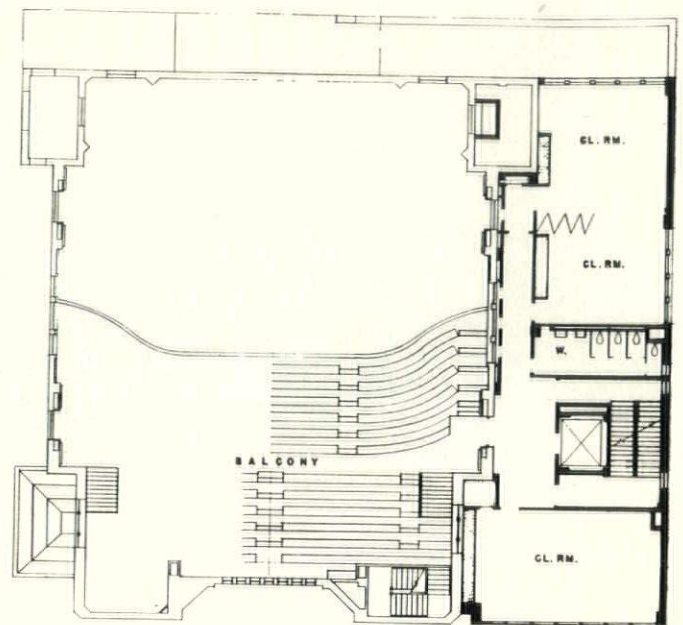
Other art work is found in the chapel where the ark doors and menorah (religious candelabra) consist of sculptured bronze by Calvin Albert.

#### GENERAL FACILITIES:

Basement — Lounge, assembly hall (400 capacity), kitchen. 1st Floor — Lobby, offices, chapel at rear seating 90. 2nd Floor — Library, school and misc. offices, 2 classrooms. 3rd Floor — Large classroom seating 35; 2 classrooms seating 20 each; folding door separation between rooms affording flexibility of arrangements. 4th Floor — Rabbi's Study; 3 classrooms. 5th Floor — Cantor's Studio; Music Room; 2 classrooms with pro-



CELLAR PLAN



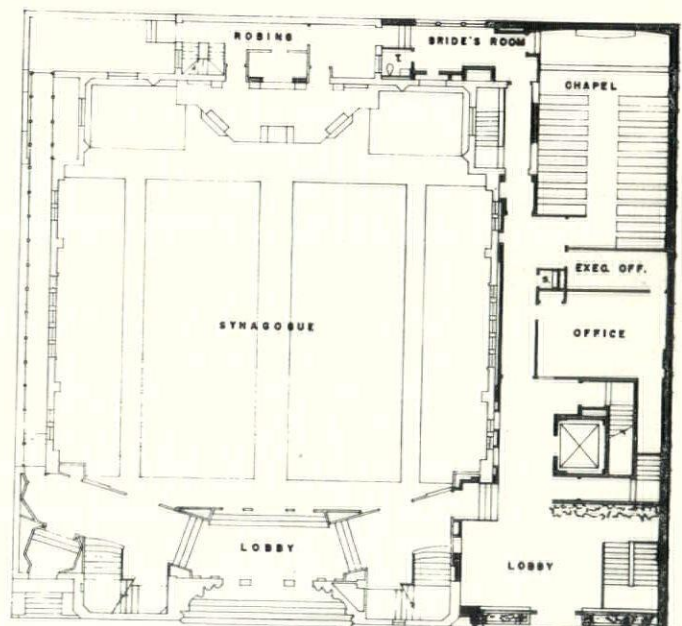
THIRD FLOOR PLAN

tected play areas on roof.

Air Conditioned areas: Chapel, offices, lounge and assembly hall; classrooms may also be air-conditioned when assembly hall is not in use.

Total Areas: 180,000 cu. ft.; 17,200 sq. ft. (and roof play: 2,300 sq. ft.)

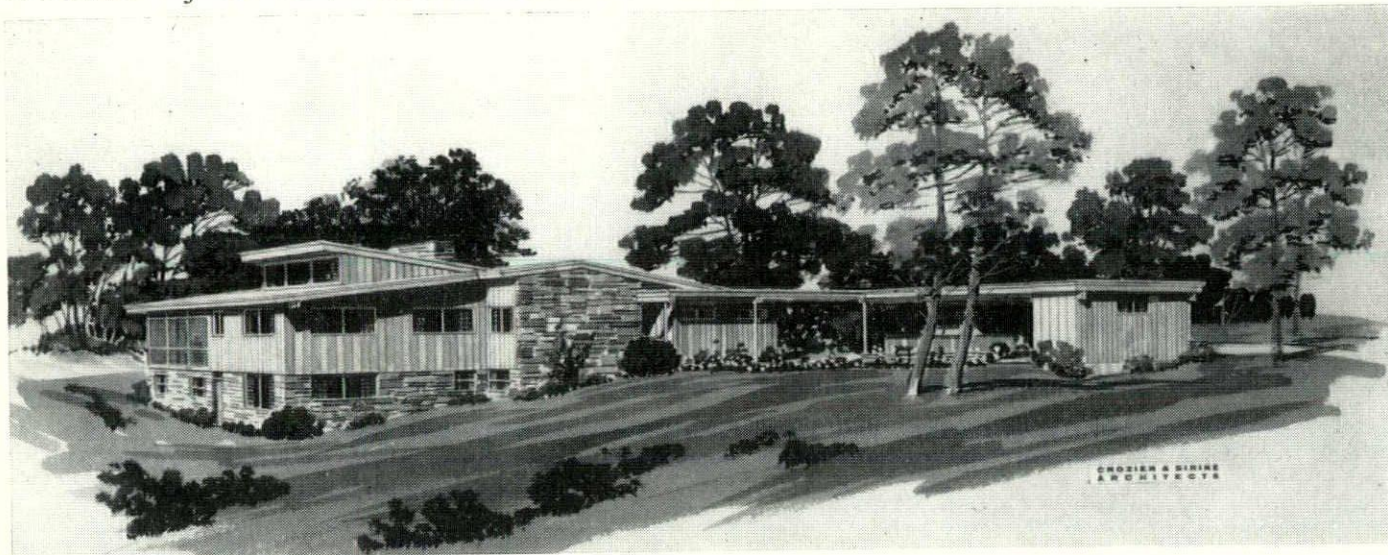
Cost: \$480,000 (including necessary alterations to existing Synagogue). Financing through voluntary contributions of congregations, with following principals involved: Sanford H. Cohen, Chairman, Board of Trustees; Saul Godwin, Chairman, Building Committee; I. M. Cohen, Chairman, Fund Raising Committee; Milton Weill, Co-Chairman, Fund Raising Committee. Others involved in planning and construction: Heinigke & Smith, Stained Glass Fabrication; Eleanor Pepper, Interior Consultant; Jack Aro-now, Structural Engineer; Wm. Dusenbury, Mechanical Engineer; H. R. H. Construction Corp., Supervising Contractors.



FIRST FLOOR PLAN



## ROBERT J. DALY RESIDENCE . . . CROZIER & SIRINE, Architects



Construction has started on the new residence of Mr. and Mrs. Robert J. Daly in the estate section off Fort Hill Road in the town of Greenburgh. Mr. Daly is president of the American Litho Craft Company.

The architects, Crozier and Sirine, have taken advantage of the pleasantly rolling site and its specimen trees to design a contemporary home that promises many delightful surprises.

The entrance drive curves up the hill, through a grove of pine trees, to the carport. The covered flagstone walk continues into the house, by way of the entry and foyer, and one is pleasantly surprised to see the secluded flagstone terrace and pool in the court

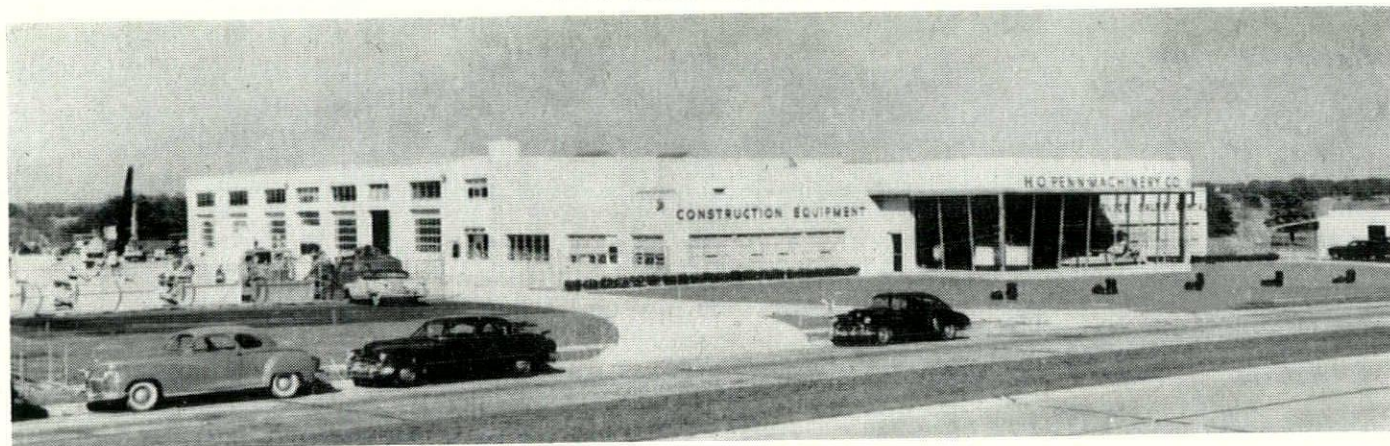
beyond the foyer. The sloping ceiling of the foyer carries the eye into the living room, where the exposed timber beams and the stone fireplace wall with its built in aquarium again delights the visitor.

The architects have utilized the sloping site to completely separate the sleeping area of this home from all activity areas. Below the study and dining room the change in grade has made it possible for the architects to provide a playroom, bath, and hobby room, fully above the grade and accessible from the outside.

Construction of the Daly residence is being done by Rayback, Inc. of Port Chester, New York.

## NEW BRANCH FOR THE H. O. PENN MACHINERY COMPANY

FRANK KRONFELD, Architect



This new branch of the H. O. Penn Machinery Company is located on Stewart Ave., Westbury, L. I., N. Y.

It is one of three branches located in Poughkeepsie, N. Y.; Newington, Conn.; and Westbury, L. I., N. Y. The main office is in the Bronx, N. Y.

This building is of the most modern design for sales and servicing of heavy construction equipment and covers over 41,000 square feet on a  $4\frac{1}{4}$  acre plot.

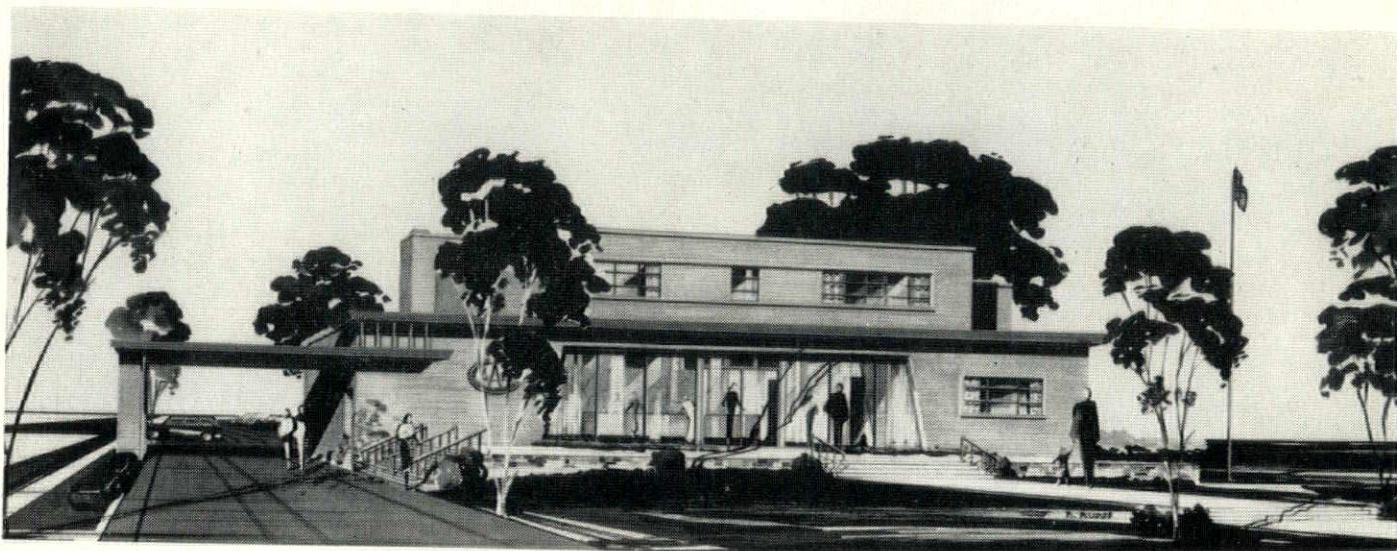
The show room is centrally placed surrounded by offices and parts sales so that everyone entering the building can view the display of the latest models of equipment. Parts storage is convenient to the parts sales and to the repair shop. The shop is equipped

with traveling cranes covering the entire working area. Each of the working areas in the shop have separate overhead doors for moving large equipment in and out with the least inconvenience. A concrete driveway goes around the entire building with loading ramps and docks for receiving and shipping of equipment.

The exterior of the office portion of the building is warm buff brick, the shop, etc., of concrete blocks painted to match with aluminum windows throughout. The entire building is heated by radiant floor heat and the office area and show room are air-conditioned using water from an artesian well on the property.



# THE AUTOMOBILE CLUB OF BUFFALO



FOIT & BASCHNAGEL, *Architects*

The new quarters for the Automobile Club of Buffalo will be located on Delaware Avenue, just south of West Utica Street. It is being constructed with fire-resisting material, on a site which will provide parking for approximately fifty automobiles.

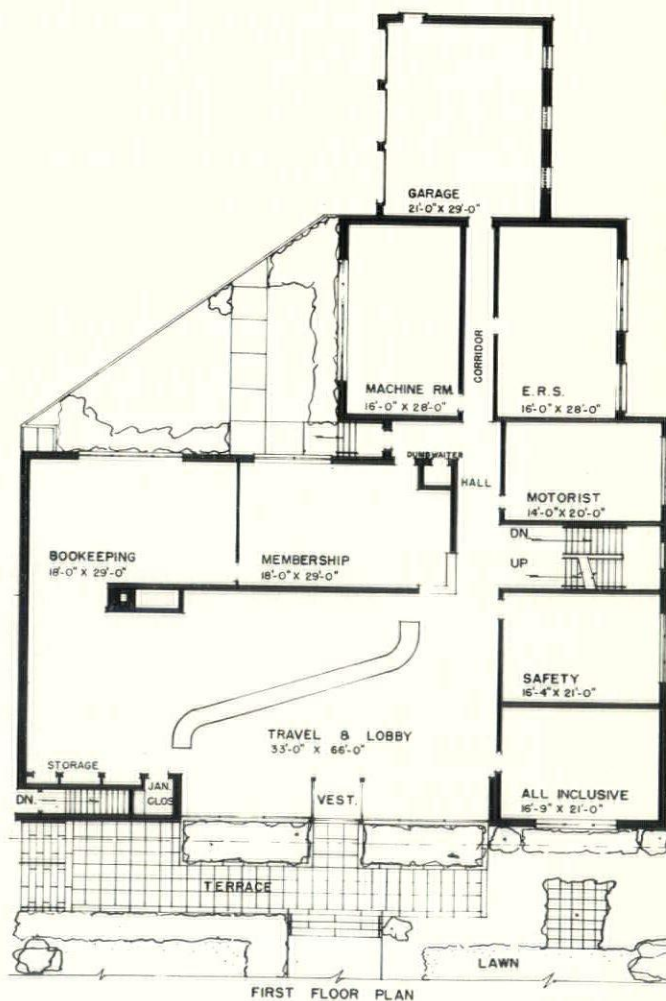
Travel Department and Lobby will be located on the First Floor, immediately accessible to the General Membership from the Avenue and Parking Area. All of the routing, requested by Members for automobile travel, will be planned in this area.

Adjacent to the Lobby will be the Safety, and All Inclusive Offices. The Safety Office is the Club's headquarters for its activities in the field of safety on the road, also for its activities in connection with the Club's cooperation with Traffic Officials, Government Agencies, and Schools in their campaign for safer driving. In the All Inclusive Office, members may obtain all information desired or required for automobile travel in foreign countries.

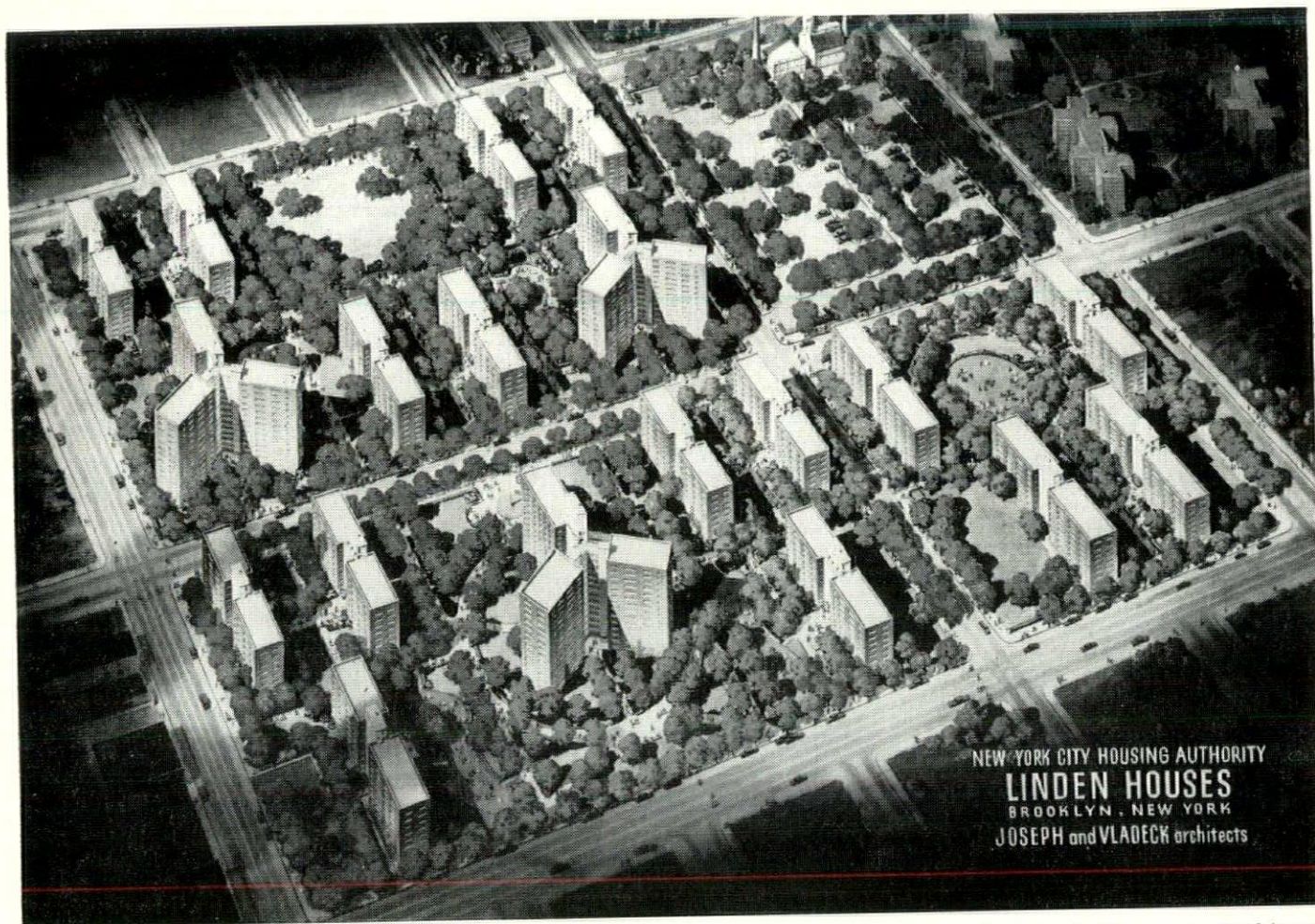
The Editor and Staff of the Club's paper, "The Motorist," will occupy the office adjacent to the stairway. Bookkeeping, Membership, and Machine Room Offices will house the normal business operations, such as accounting, mailing, etc., necessary to rendering service to its membership of approximately 40,000. Activities of the Emergency Road Service will be carried on in the E. R. S. Office.

The automobiles used for the Driver Training courses, conducted by the Club, will be stored in the Garage, when not in use.

Offices for the Executive Secretary, Assistant Executive, and their Secretary will be located on the Second Floor. A library for research on traffic safety, traffic laws, etc., will also be on the Second Floor. Rooms for other services and activities of the Club will be located in the Basement.







JOSEPH & VLADECK, Architects

## LINDEN HOUSES . . . BROOKLYN, N. Y.

Original "Y" shaped buildings, terraces and the use of prefabricated concrete core panels for variety in wall treatments are special features for the Linden Housing Project, designed by the architectural firm of Joseph and Vladeck.

A middle-income project under the City's program, Linden Houses will provide homes for 1590 families in sixteen 8-story and three 14-story buildings. The Project will be located at Stanley and Schenck Avenues in Brooklyn.

The three 14-story structures included in the Project will be "Y" shaped, with the three wings joined at the hub by a narrow central core containing connecting hallways and terraces. *This is a new type of unit and will be the first of its kind in housing projects.* This design will insure a maximum of light, air and privacy to the occupants of each wing of these buildings.

The other sixteen buildings in the development are of the same basic design, except that they will consist of only two wings joined by a narrow central core.

Every floor will feature an open terrace, serving as an outdoor living room for the tenants. These terraces are enclosed with steel mesh as a safety measure, and

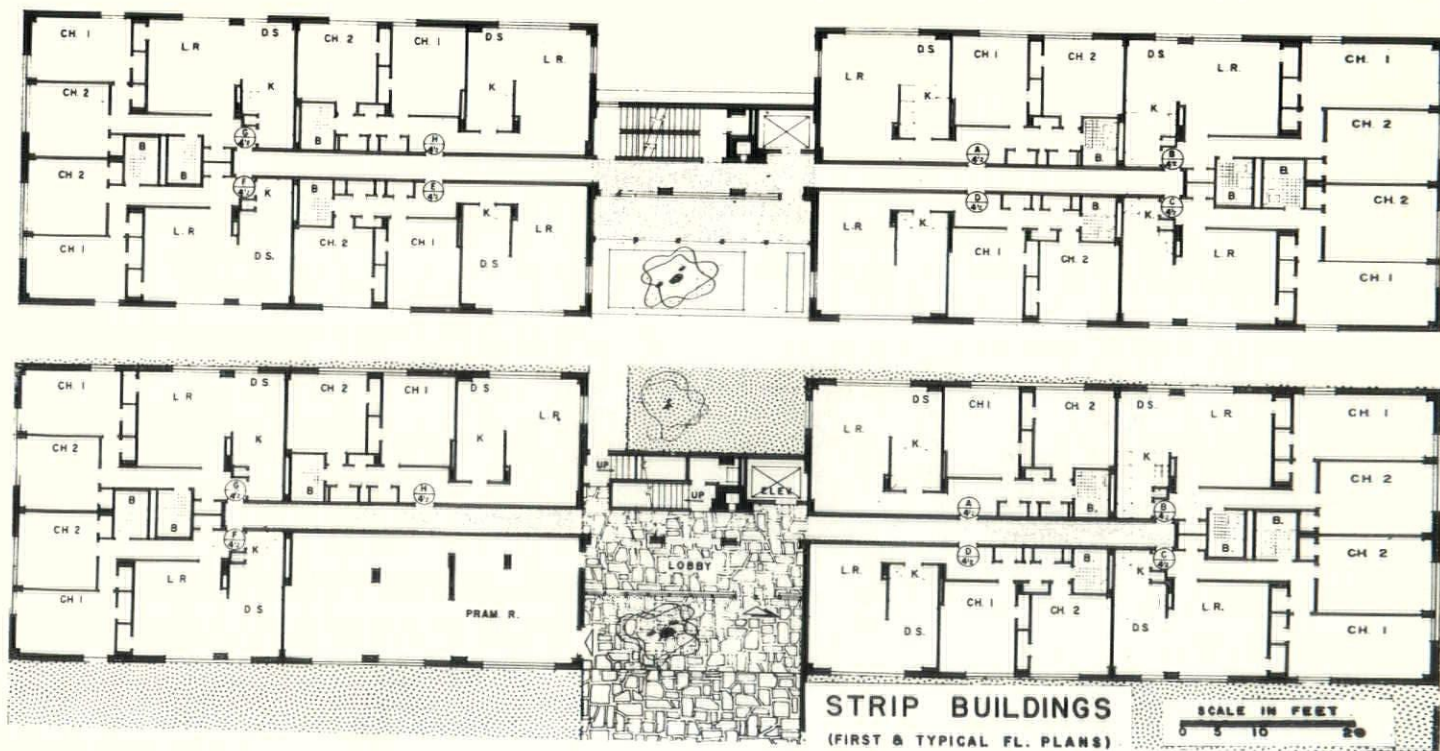
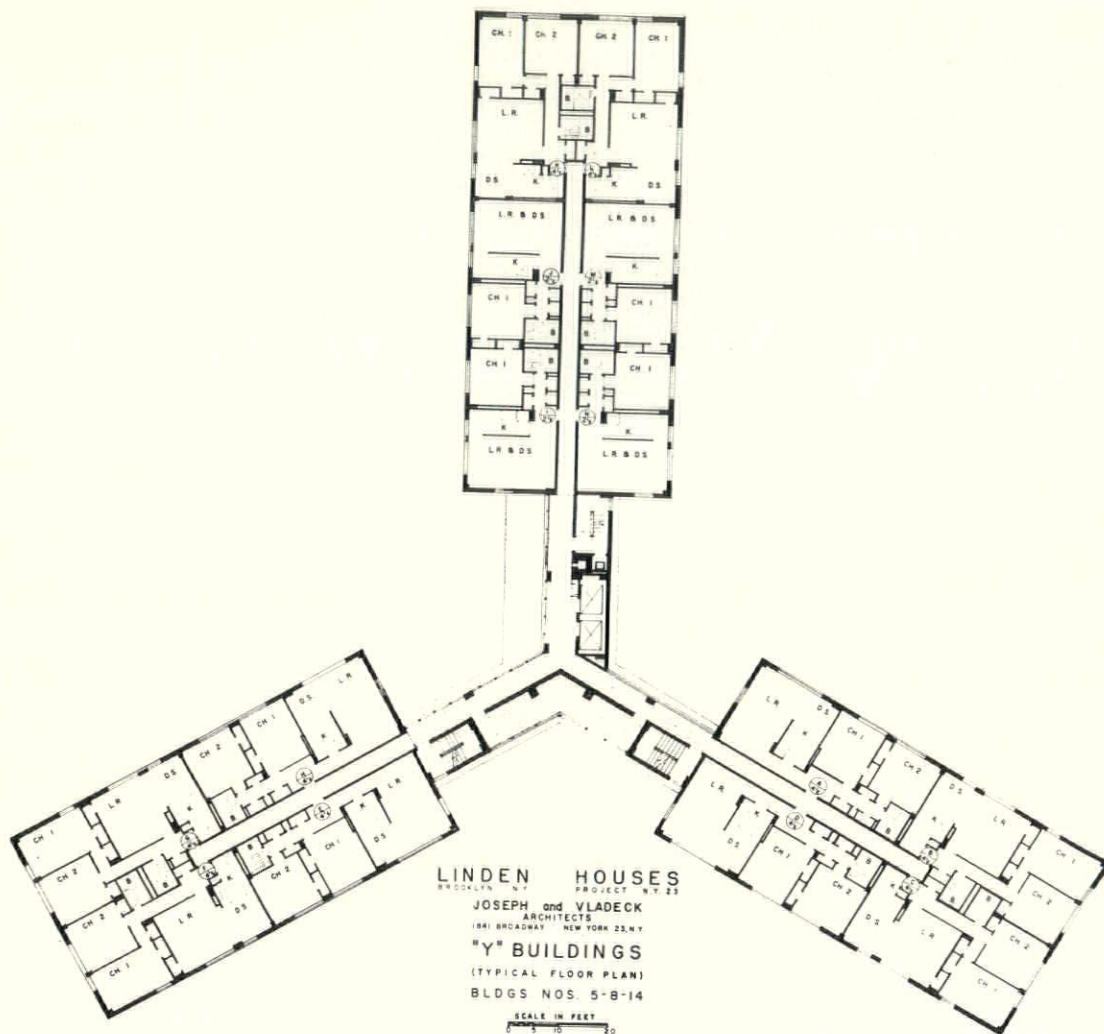
are intended as convenient sunning areas for infants in carriages and toddlers.

One of the interesting features of the design plans will be the possible use of prefabricated concrete panels for the outside and inside surfacing of the central hub of each building. Alternate possibilities to this surfacing material are indicated in the bid specifications. These include either grey or blue faced, smooth textured brick. The final choice of prefabricated concrete or smooth brick for the panelling of the hubs will be determined by relative costs and other construction factors.

The building wings will be surfaced with red brick, and the use of a contrasting color and material on the connecting hubs will give each building a pleasing, two-tone color scheme. The steel enmeshed outdoor terraces located in the hubs will provide an additional color variation in the overall pattern.

Open breezeways paved with flagstone, located at the bottom of each central hub in the "Y" shaped buildings will serve as entranceways to the wings of the buildings. An additional design feature will be the extension of the flagstone flooring into the separate, enclosed lobbies of the individual wings.







Except for one section in each of the three "Y" shaped buildings, all wings will contain only four apartments on each floor. With the exception of the 42 one bedroom units in these three wings, all the apartments will have corner layouts, with two exposures and true cross ventilation.

Specially designed aluminum window frames will be used throughout. These frames will divide the windows into three sections; the top panels opening outward, the middle panels fixed and the bottom hoppers opening inward only four inches to provide maximum safety for families with small children.

Planned primarily for families with children, Linden Houses will contain 1092 four and a half room apartments and 336 five and a half room apartments. There will also be 162 three and a half room units. Rents will average about \$20 to \$22 per room a month.

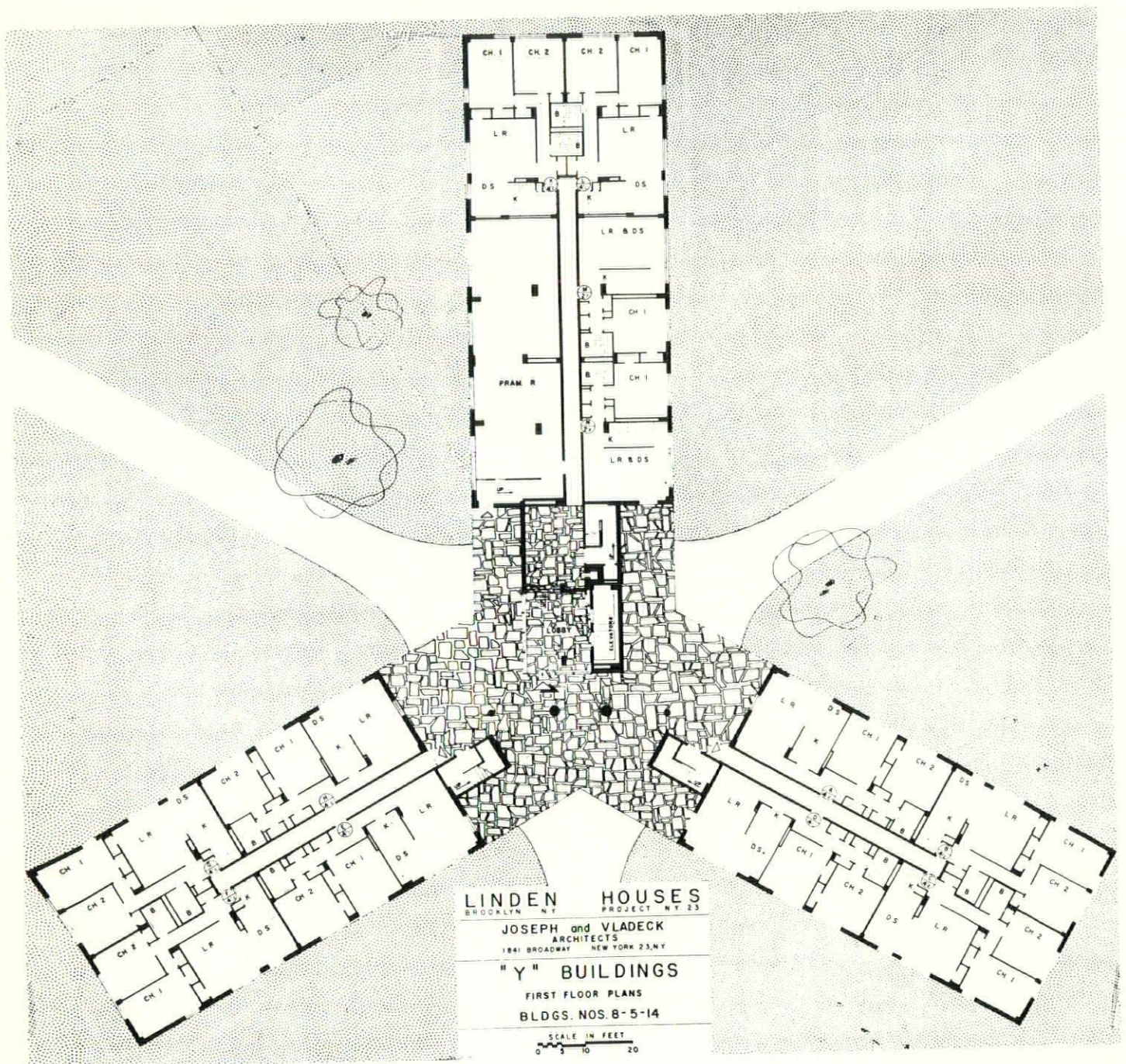
The new Project will cover an area of six square

blocks, a total of 32.68 acres. The buildings will cover only 12% of the land and the remaining 88% will be landscaped with walks, lawns, benches, parking space and five play areas. The apartment structures will be grouped around the play areas and several large lawns in a pattern reminiscent of the village commons of early American history.

In creating the "Y" shaped buildings the architects, Joseph and Vladeck, explored all types of units that were ever built both in this country and abroad. After intensive research the architects came up with a new type of design which met all the rigid requirements of the New York City Housing Authority.

The architects predict the "Y" shaped buildings will be a forerunner in projects of this type and will be referred to much the same as a Cross Plan, a "T" Plan, an "H" Plan, a Strip Plan, etc.

The success of this type unit is assured since it is now proposed in two other projects by the Authority.





Another case of  
**COPPER**  
where it counts!

## ST. JOHN the BAPTIST CHURCH Rome, New York

Architect: FRANK W. BRODRICK, Syracuse, N. Y.

Engineer: MALCOLM B. MOYER, Syracuse, N. Y.

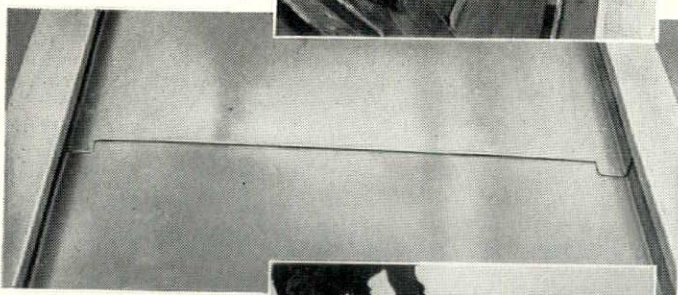
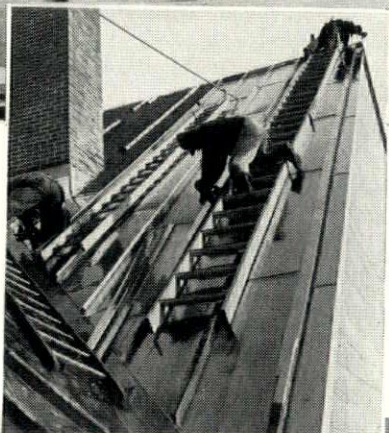
Gen. Cont.: JAMES PAOLINI CONST. CO., INC., Syracuse, N. Y.

Sheet Metal Conf.: FINSTER BROTHERS, INC., Rome, N. Y.

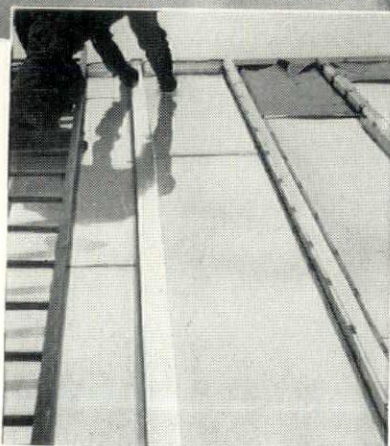


22,780 LBS. OF REVERE 20 OUNCE Cold Rolled Sheet Copper was used for the batten seam roof, valleys and covering on fleche.

(below) CLOSE-UP shows loose lock cross seam—constructed as recommended in Revere's 110-Page booklet, "COPPER AND COMMON SENSE." Do you have a copy?



(Right) HOW BATTEN LOOKS before capping. Note that cleats are nailed to the sides of the batten. This is done to prevent future trouble, as the wind blowing over a roof causes an up-lift on the roofing pans. If the batten was nailed on the top, the nails would be subjected to a straight upward pull. Nails placed on the side of the batten are subjected to a shearing action that does not tend to loosen the nails. Two nails are always advisable for maximum security.



• Since the first cathedrals of the Old World were built centuries ago, copper has been the favored metal for roofs, ornamental work, flashing, gutters and leaders. With the passing of the years other metals have appeared on the horizon. None has been able to match all of the outstanding construction characteristics of copper.

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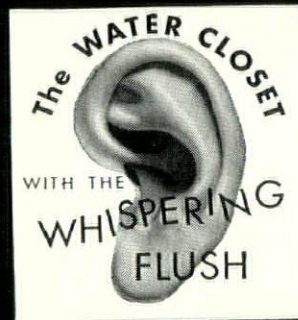
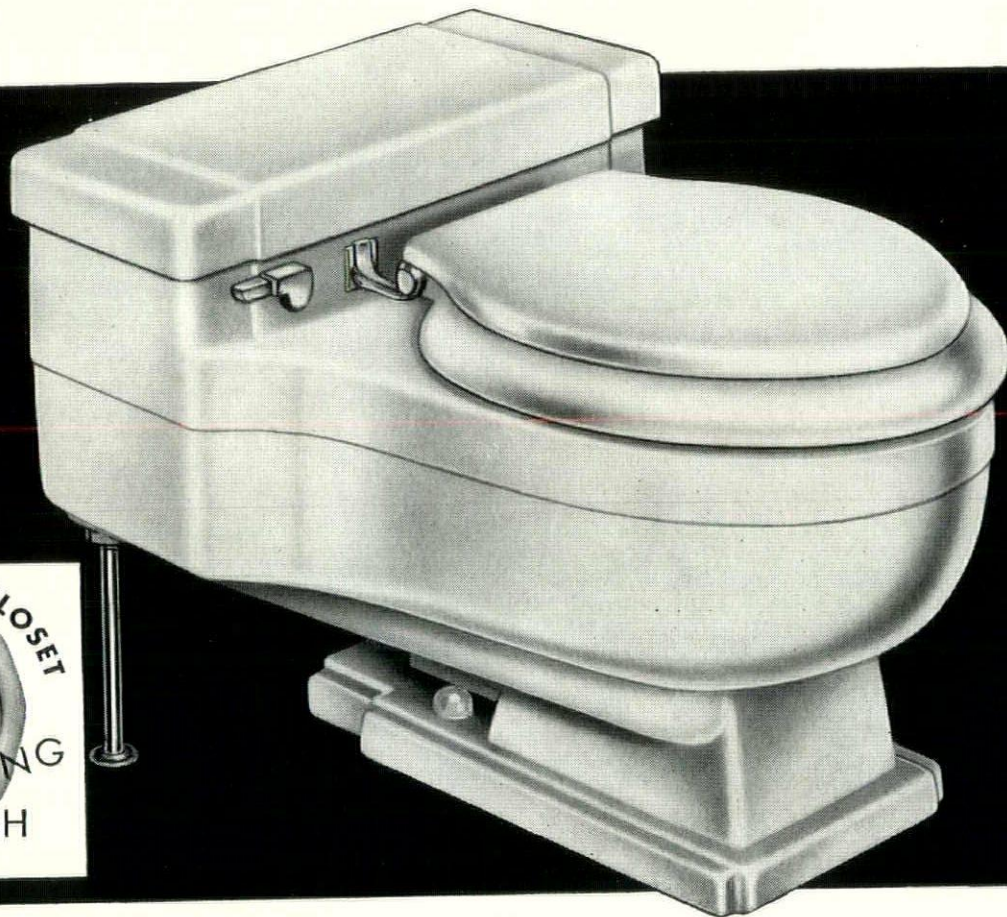
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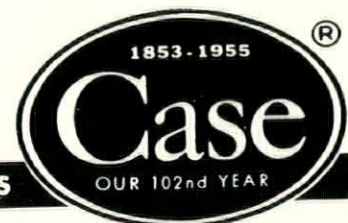
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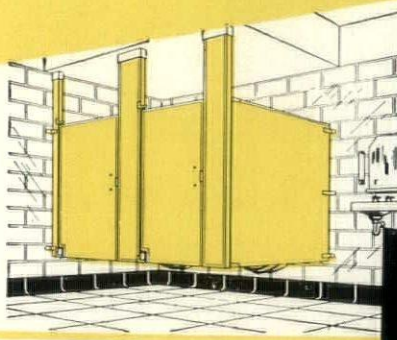
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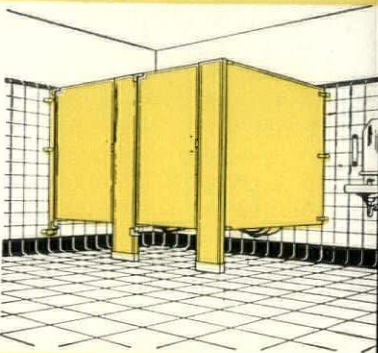




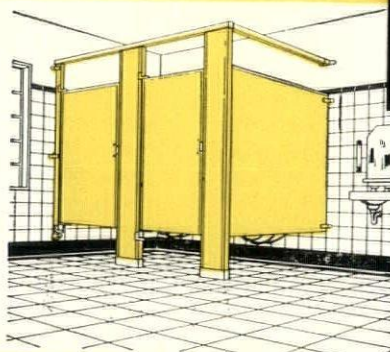
"FLUSHUNG"



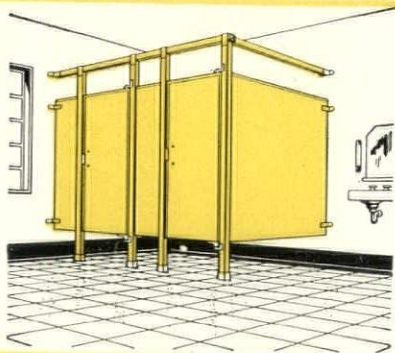
"FLUSHART"



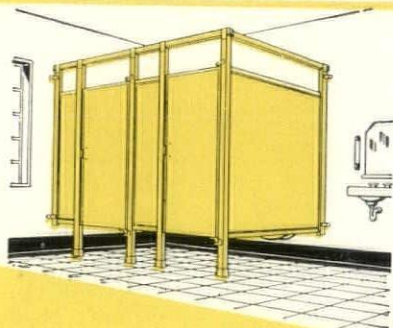
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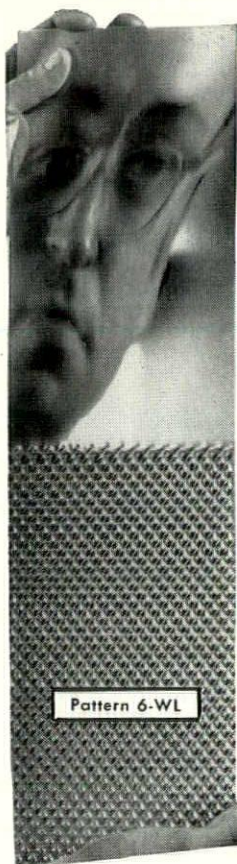
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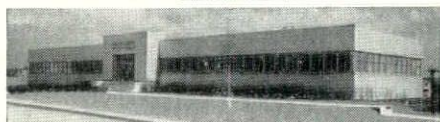
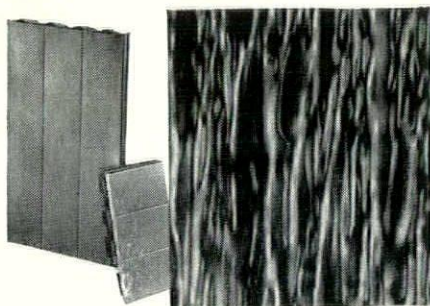


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The Allegheny Ludlum Research Building shown, is of curtain-wall construction. The face of these modified Q-panels is 22 gauge Type 302 Stainless RIGID-tex Metal 2B finish in the 1-CS pattern, backed with 1½" fibreglass.

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## Are Retained Percentages Too High?

Many building professionals believe they are. Results of a recent conference study support the belief and offer a way to better the situation.

Results of a conference of construction industry executives held in New York the latter part of March may prove to be an incentive to lower building costs. Called by the Producers' Council and the National Association of Credit Men, the meeting was the second to be held this year with the object of studying the problem of frozen credit resulting from the building industry practice of retaining part of the payments due contractors for completed work on construction projects.

Out of the conference came a recommended procedure which it is hoped may eventually become standard practice for the industry. The procedure is largely the work of WILLIAM STANLEY PARKER, F.A.I.A., of Boston, and FANEUIL ADAMS, L.L.B., who were consultants to the conference. It is the result of a detailed study of the retained percentage question and was adopted by the conference as a practical way of freeing hitherto frozen construction funds.

Recommendations are essentially these: *Ten percent of payments to contractors should be retained until the work is 75% complete; and thereafter the retained amount should be five percent.*

The Parker-Adams report pointed out that the procedure applies primarily to lump sum contracts for private work, whether bonded or not, and is designed to conform to the requirements of the A.I.A. Standard General Conditions. Also, it recognizes that the interests of owners, contractors, subcontractors and suppliers are all involved in provisions governing applications and certificates for progress payments under a general contract.

The report says, in part:

*"Under average normal conditions, a retention of 10% on payments is reasonable during the early stages of the work, but when the work approaches substantial completion, such retention becomes unnecessarily burdensome. It can properly be reduced to 5% after the entire work is 75% complete,*

*on those divisions of the work which are themselves 75% complete. This adds an element of complication in the Application Form for subsequent payments in order to show the retentions on the different divisions of the work, some being 5% and some 10%. No such complications, however, are present during the first three quarters of the work, or after all divisions of the work are at least 75% complete."*

So far as is known, this is the first comprehensive study that has been attempted on a subject that has long been a source of annoyance and often substantial financial hardship on the part of contractors and material suppliers. Conference discussions indicated that all segments of the construction industry recognized the desirability of retaining some proportion of due payments on behalf of the owner. But the Parker-Adams study showed that custom on the percentages of retained payments varied.

*"Fifty years ago 15% was customary. Since then it has gradually become customary to reduce the percentage in different ways. Many contracts now customarily use 10%. Much government work is now based on retaining 10% until the work is half done, accumulating a retention of 5% of the total contract price, thereafter paying 100% of the value of subsequent work. Many contracts still retain 15%."*

Conference recommendations, including the Parker-Adams report, do not propose the setting-up of rigid procedures. The object was to arrive at a reasonable method for protecting the owner's interests and at the same time afford as much financial relief as possible to contractors, subcontractors and suppliers. And it should be emphasized that percentages recommended may be even lower in instances where other procedures provide adequate protection for the owner.

Following is a suggested amendment to Article 4 of A.I.A. Form A-1 as proposed in the Parker-Adams report to the conference.



Article 4. Progress Payments. The Owner shall make payments on account of the Contract as provided therein, as follows:

On or about the ..... day of each month ..... 90 ..... per cent of the value based on the contract prices, of labor and materials incorporated in the work and of materials suitably stored at the site thereof up to the ..... day of that month, as estimated by the Architect, less the aggregate of previous payments, until such value amounts to 75% of the contract price; thereafter the retained percentage shall be reduced to 5% on portions of the work more than 75% complete, retaining 10% on portions not 75% complete.

All payments are on account of the contract price and do not constitute acceptance of any specific portions of the work. Full payment of the retained percentage on a portion of the work satisfactorily completed prior to the completion of the entire work may be made subject to the approval of the Architect upon submission of evidence that all payrolls, material bills, and other indebtedness connected with the work have been paid, and, if required, the submission of a written guarantee or bond covering correction of defects that may later be discovered in the materials or labor or operating requirements as required by the contract.

Note: The bold face portion is quoted from the Standard Agreement Form. The remainder of the printed clause may be crossed out and the balance of this provision typed in the blank space provided.

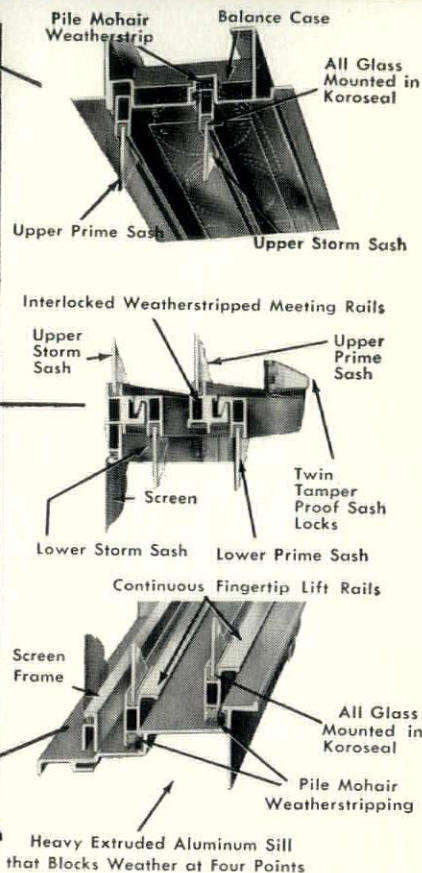
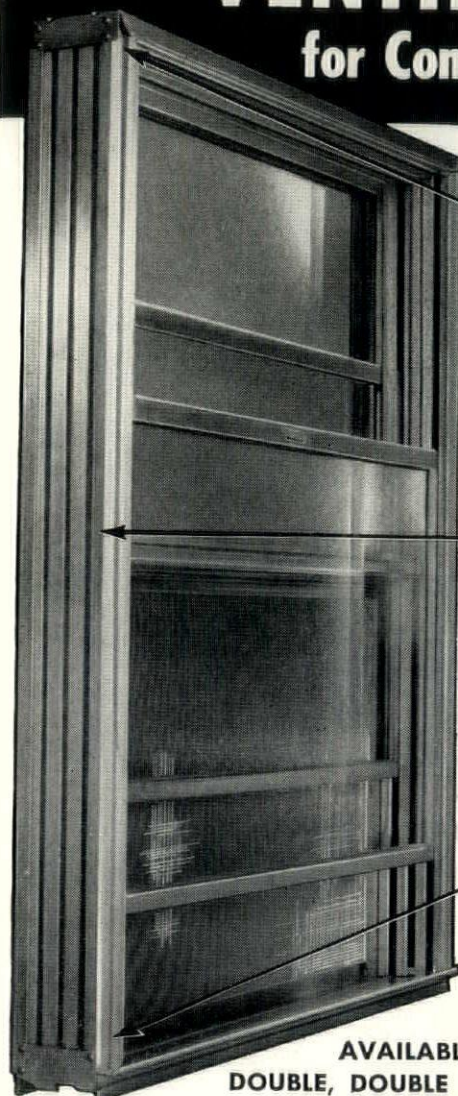
The Retained Percentage Conference was presided over by WILLIAM GILLET, national president of the Producers' Council, and was moderated by TYLER STEWART ROGERS. Participants were invited on the basis of their intimate knowledge of the subjects under discussion. Among them were H. R. DOWSWELL, Shreve, Lamb & Harmon; DAVID Q. COHEN, Association of Casualty and Surety Companies; GEORGE B. ROSCOE, National Electrical Contractors Association; E. VERNON ROTH, The Surety Association of America; WELTON A. SNOW, Associated General Contractors, and CLARENCE B. LITCHFIELD, La-Pierre, Litchfield & Partners.

Reprinted from "The Florida Architect," Official Journal of the Florida Association of Architects of the American Institute of Architects.

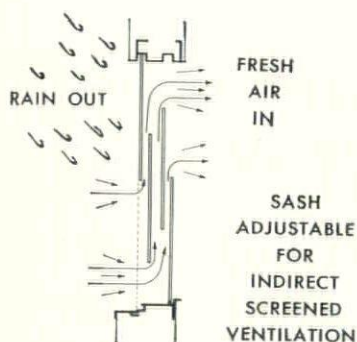
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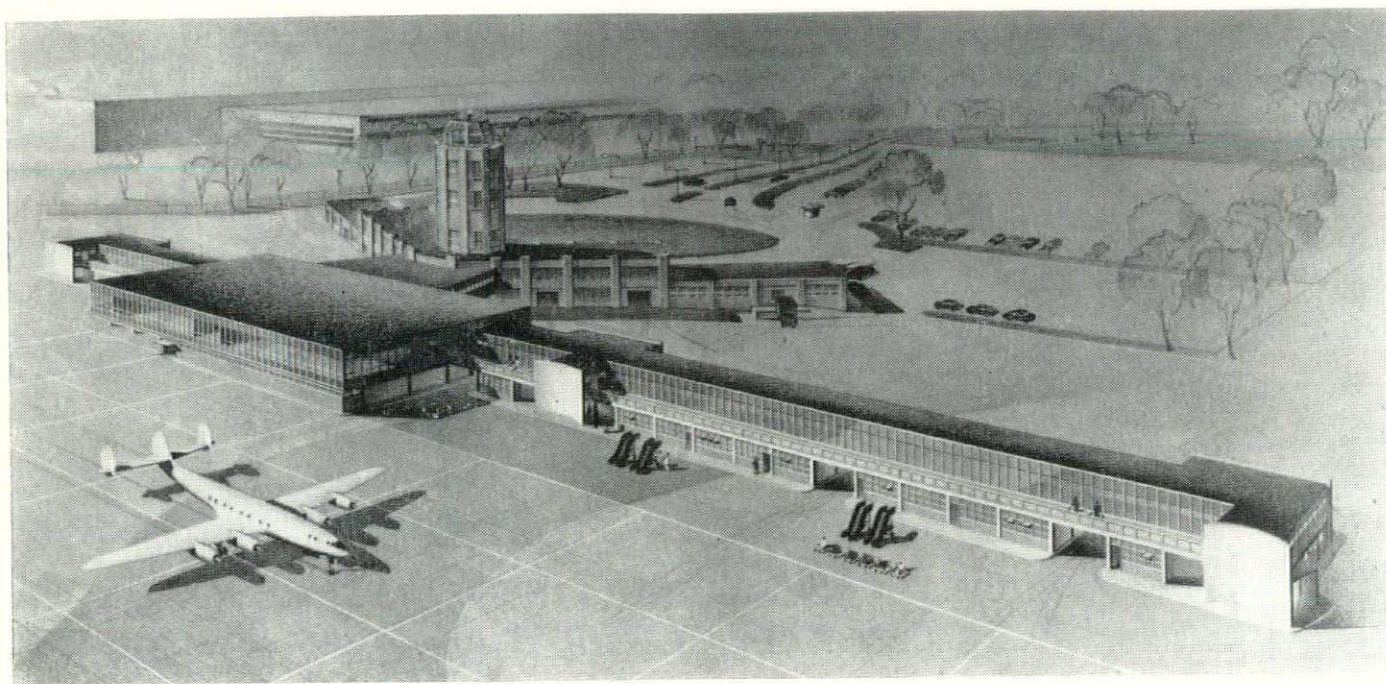
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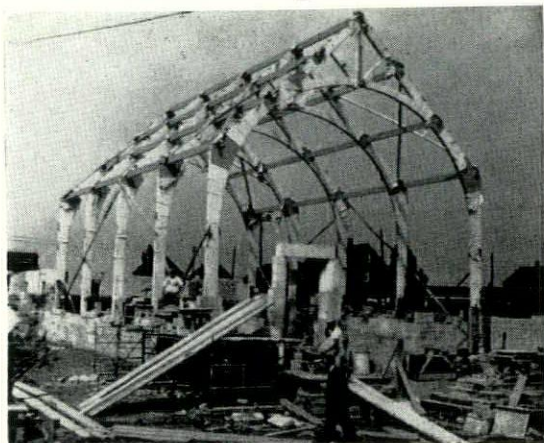


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# NEW YORK VA HOSPITAL BOASTS RECORD-SETTING ARCHITECTURE

LaPIERRE, LITCHFIELD & PARTNERS, Architects



An architectural and structural record-setting achievement has been attained in the recently completed Veterans Administration Hospital in New York. The cavity wall process of design and construction has been used to a world record height of 19 stories.

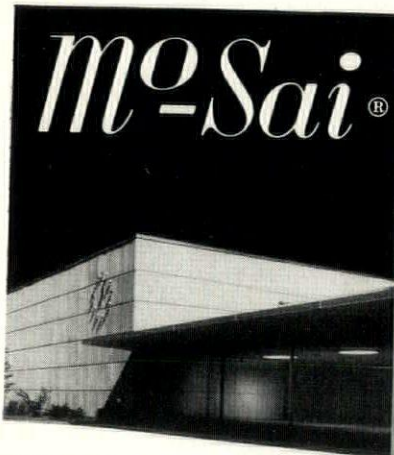
The complete enclosure with masonry cavity walls of the big new hospital at 23rd Street and First Avenue in Manhattan marks by far the world's tallest use of the technique. The incorporation of this architectural development, which has previously been utilized much more extensively in Europe than here, in the \$20-million, 1250-bed general hospital is hailed as a construction milestone by the architects, LaPierre, Litchfield & Partners (formerly Alfred Hopkins & Associates).

Masonry industry spokesmen declare the introduction of the cavity wall to construction of this size and scope could be a significant development for them. They will be watching signs of its acceptance and further use. The highly competitive industry — producers, contractors and labor — recently indicated concern for its economic health by forming the Allied Masonry Council to deal with various common problems.

Increasing use of glass and metal walls has created a threat, small at the moment but of dangerous potential, to masonry profits. The cavity wall could be an instrument of rehabilitation for the future of the masonry industry.

Composed of two vertical planes of masonry (called wythes) separated by a two-inch air space, the cavity wall is noted for greater durability and insulation

(Continued on Page 83.)



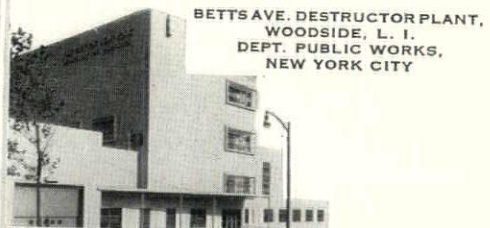
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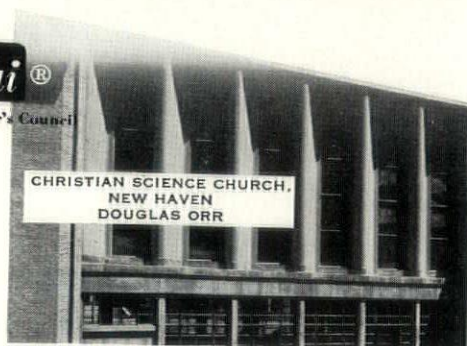
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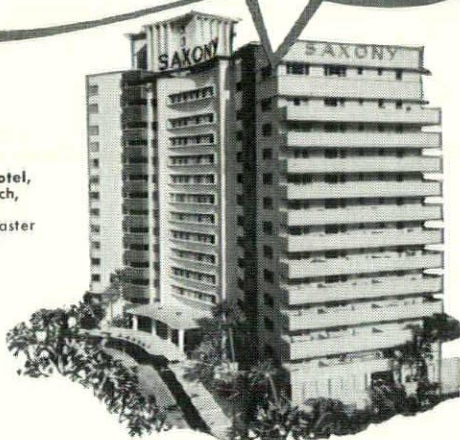


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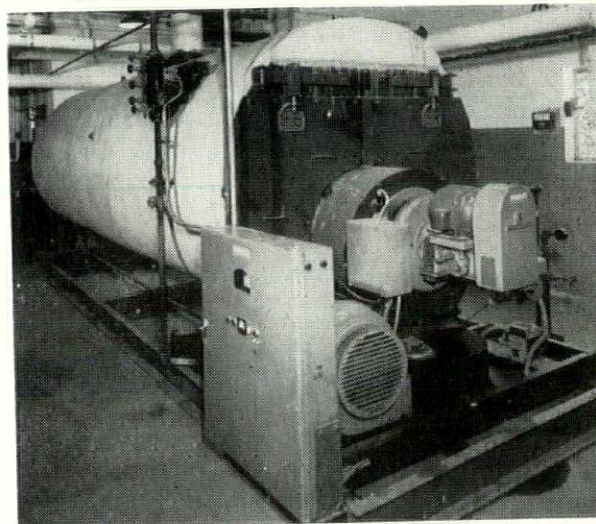
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The human body must have water. It can endure extremes of heat and cold, a lack of pure air, too little rest and sleep, but it must have water.

For years schools have been equipped with "Bubblers" or "Drinking Fountains." Thirty-seven manufacturers of these things are listed in the current "Catalog Directory" published by "Domestic Engineering." Each firm vies with its contemporary in the variety of designs which embody ingenious valves and fancy lip guards.

But did you ever drink from one of them?

One can forgive a spattered face, to relieve an urgent thirst, but "UGH"! What a disappointment! No wonder the kids play with the stuff, and try to spray each other.

Most public water supplies are now treated with Chlorine, and its pungent taste predominates tepid water.

Attempts have been made to install a central cooling plant, with insulated pipes carried to each foun-

tain. In a large school the cost of insulation adds a noticeable burden on the cost of the refrigerating plant. On a tight budget this refinement is usually discarded, in a deductible alternate.

Nine of the thirty-seven manufacturers mentioned above have brought out compact water chilling units, with freon air cooled compressors, compactly arranged. A tiny motor silently drives the mechanism. The water supply need not be insulated. The Contractor's cost is about equal to two of the usual kind.

Doesn't it seem wise to install half as many cool water centers of properly refrigerating drinking water? Instead of cluttering the class room sink with the overhanging bubbler, and the corridors and Gym with tepid water purveyors, why not take the same funds and equip the school with unit refrigerating coolers? Water properly chilled will subdue the heavy mineral and chlorine flavors, and the child whose thirst is really quenched when he drinks will be normally contented and attentive. This merits serious consideration.

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## CONVENTION GUEST SPEAKER

Members and Guests of the New York State Association of Architects will hear, as guest speaker at the 1955 Convention, Mr. Cameron Ralston.

Mr. Ralston has served as Director of Public Forums for the U. S. Department of Interior. He is a noted leader in the fight against crime and corruption and served as Secretary to the Chicago Committee of 100 during the Al Capone reign of terror. Mr. Ralston is a member of the American Flag Association and some of his suggestions have been enacted into laws which give the Federal Bureau of Investigation its present authority. Before beginning his career as one of the country's most popular lecturers, Mr. Ralston served as a member of the Faculty of Washington & Jefferson University.

Cameron Ralston came to this country from his native Scotland in 1914 and fought with the AEF in France. Before completing his formal education, Mr. Ralston worked as a coal miner, and today he is special consultant to the Anthracite Industry Committee. Dr. John W. Studebaker, former United States Commissioner of Education, has described Cameron Ralston as a "dynamic speaker and a man of vision."

## N. Y. S. CONCRETE MASONRY ASSOCIATION MEETING

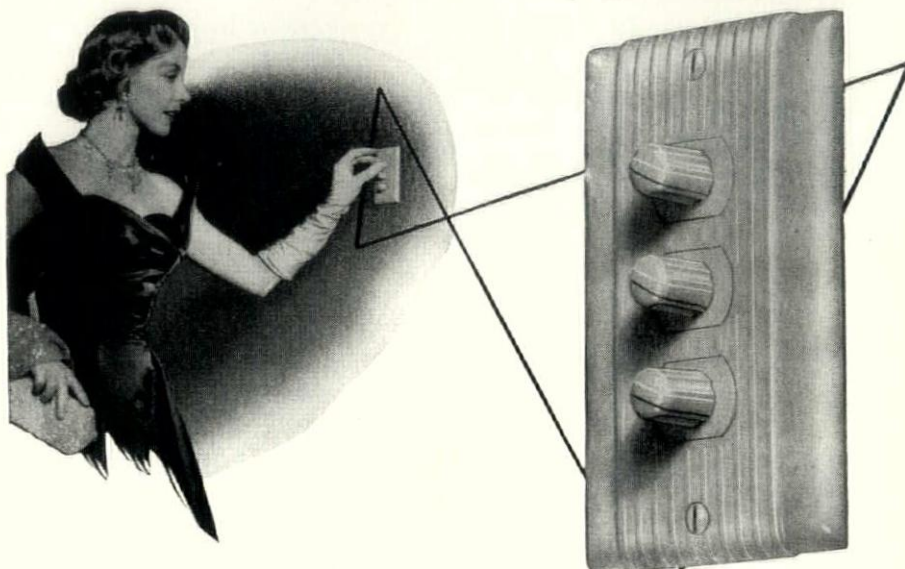
The Annual Meeting of the New York State Concrete Masonry Association will be held at the Hotel Sheraton-Ten Eyck in Albany on Friday, October 14, beginning at 9 A.M.

Reports of various committees, election of officers, and other business matters will feature the sessions. Several speakers are also scheduled to discuss matters of importance to the industry.

Officers of the Association include: John D. Daly, Auburn, President; Henry C. Quaritius, Jr., Brooklyn, Vice-President; Lawrence Dagostino, Schenectady, Treasurer; and Grant Reinhold, Buffalo, Secretary. Directors are: Harvey Black, Rochester; Mr. Dagostino; Garson Dinaburg, Binghamton; William C. Homer, Syracuse; Mr. Quaritius; Frederick W. Reinhold, Buffalo; and Lee Taylor, Watertown. Robert Abbey, Buffalo, is Executive Secretary.

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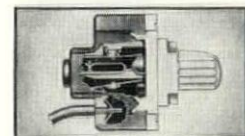
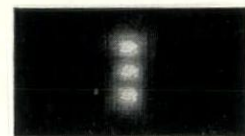
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# 70,000 CHURCHES AND SYNAGOGUES WILL BE CONSTRUCTED OR ALTERED

NEW YORK — Some 70,000 churches and synagogues will be constructed or substantially altered in the United States in the next ten years at a cost of nearly six billion dollars, in the opinion of George Cline Smith, economist of F. W. Dodge Corporation, writing

in the June issue of Architectural Record.

In addition, he estimates, there will be about 12,500 parish houses, Sunday school buildings and related buildings costing about one and a quarter billion dollars. Parochial educational buildings are

not included.

The combined totals are 82,500 projects costing about seven and a quarter billion dollars. Mr. Smith's prediction is based on three assumptions: That there will be no severe depression, no major war, and no major change in the value of the dollar.

Mr. Smith said all of his figures and estimates are based on F. W. Dodge Corporation's Dodge Reports of contract awards for future construction in the 37 eastern states, with an adjustment to take care of the estimated volume in the other 11 states. The Dodge figures are the only ones available to indicate the total future volume of church construction.

"Current activity in church construction," Mr. Smith says, "is running at the highest rate in history. Contract awards for religious buildings in the 37 eastern states during the first three months of 1955 totalled \$128 million. That's an increase of 60 per cent above the previous first-quarter record set in 1951, and 61 per cent above the first quarter of last year.

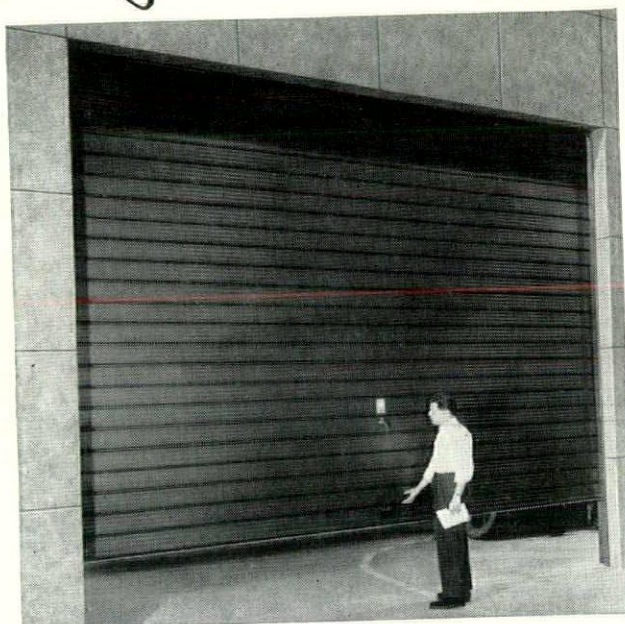
"The religious category in the first quarter of 1955 accounted for about seven per cent of all non-residential building awards. This represents an enormous growth, not only in dollars but in share of the market, during the postwar period.

"In the corresponding quarter of 1946, the first post-war year, religious buildings totalled only \$17 million, and represented just 2 per cent of non-residential building.

"The spiritual significance of this trend should be obvious," he says. "The current upsurge of interest in religion is actually part of a long-term trend which has been expressed in rising membership of churches, both absolutely and in proportion to the population, through several decades. The outlook for church building is bright."

Mr. Smith says his estimates contemplate an average yearly level of activity over the ten-year period, lower than the current level. "It is entirely possible, therefore," he says, "that the estimate may be on the low side, in view of our rapid population growth, current prosperity and the increasing emphasis on church-going."

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## SIX MEMBERS OF THE N.Y.S.A.A. ELEVATED TO FELLOWS

Elisabeth Coit, New York; Frederick G. Frost, Jr., New York; Lloyd Morgan, New York; Donald Kenneth Sargent, Syracuse; Leonard Adrian Waasdorp, Rochester; and Julian H. Whittlesey, New York were among the forty-two members of the American Institute of Architects who were advanced to Fellowship in the Institute at the 1955 Annual Convention.

President of the A.I.A., Clair W. Ditchy; Chancellor of the College of Fellows Alexander C. Robinson III; and Chairman of the Jury of Fellows William J. Bain, participated in the ceremony elevating the following list of members to Fellowship:

Alexander, Robert Evans — Los Angeles, California  
 Allison, George Boggs — Los Angeles, California  
 Armstrong, Harris — Kirkwood, Missouri  
 Barthelme, Donald — Houston, Texas  
 Bogner, Walter Francis — Cambridge, Massachusetts  
 Born, Ernest — San Francisco, California  
 Childs, Frank A. — Chicago, Illinois  
 Cirei, Anthony Salvatore — Cleveland, Ohio  
 Clark, Hervey Parke — San Francisco, California  
 Coit, Elisabeth — New York, New York  
 Cunningham, Harry Francis — Lincoln, Nebraska  
 Deitrick, William Henley — Raleigh, North Carolina  
 Dennis, John Cobb — Macon, Georgia

Eichenbaum, Howard Samuel — Little Rock, Arkansas  
 Fisher, Louis McLane — Baltimore, Maryland  
 Flint, Noel Leslie — Chicago, Illinois  
 Friedman, Raphael N. — Chicago, Illinois  
 Frohman, Philip Hubert — Washington, D. C.  
 Frost, Frederick G., Jr. — New York, New York  
 Holmes, J. Lister — Seattle, Washington  
 Jamison, Thomas Worth, Jr. — Baltimore, Maryland  
 Kamrath, Karl Fred — Houston, Texas  
 Land, Theodore Oscar — Minneapolis, Minnesota  
 Langford, Ernest — College Station, Texas  
 Mann, Arthur — Hutchinson, Kansas  
 Morgan, Lloyd — New York, New York  
 Nes, Charles H., Jr. — Baltimore, Maryland  
 Pickering, Ernest — Cincinnati, Ohio  
 Polevitzky, Igor Boris — Miami, Florida  
 Rebori, Andrew Nicholas — Chicago, Illinois  
 Reid, John Lyon — San Francisco, California  
 Richards, John Noble — Toledo, Ohio  
 Richmond, Isidor — Boston, Massachusetts  
 Rosetti, Louis — Detroit, Michigan  
 Sargent, Donald Kenneth — Syracuse, New York  
 Somdal, Dewey Anderson — Shreveport, Louisiana  
 Waasdorp, Leonard Adrian — Rochester, New York  
 Wheeler, E. Todd — Wilmette, Illinois  
 Whittlesey, Julian H. — New York, New York  
 Wilson, Fred Talbott — Houston, Texas  
 Wilson, Samuel, Jr. — New Orleans, Louisiana  
 Wright, Henry Lyman — Los Angeles, California

## A.I.A. RELEASES FILM REPORT ON CONTEMPORARY ARCHITECTURE

The American Institute of Architects, national organization of the architectural profession, has announced the release of a film report on contemporary architecture in America. *Architecture — U.S.A.* is a sound presentation of 140 color slides showing current architectural trends in homes, schools, offices, factories, churches, and other building types.

The film is the work of Ralph E. Myers, A.I.A., of the firm of Kivett and Myers, Kansas City, Missouri. In collecting photographs for the film, Mr. Myers travelled more than 50,000 miles and edited more than 10,000 color photographs by some of the nation's top architec-

tural photographers.

Initial impetus was given to the project by a grant from the Arnold W. Brunner Scholarship of the New York Chapter, A.I.A., for "advanced study in a specialized field of architectural investigation." As a result of his work on *Architecture — U.S.A.*, Mr. Myers has been awarded a second grant for additional work.

*Architecture — U.S.A.* has a running time of 26 minutes and may be shown on standard 16 mm. sound movie equipment. It has been planned for presentation before service clubs, school assemblies, women's groups and similar organizations.

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NEW HOME COURSE  
AVAILABLE IN  
INDUSTRIAL SAFETY  
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To meet the increasing need of industry for continued safety programs and practices, a new home study course in Industrial Safety Engineering has been added to the curriculum of International Correspondence Schools, Scranton, Pa., according to John C. Villaume, Dean of the Faculty.

With the increased use of automatic machinery and processes, management has become increasingly aware of the safety problem. The new I.C.S. course is an engineering approach to the solution and study of this problem.

In the introduction of one of the lessons, it is pointed out that industry's annual accident toll both on and off the job amounts to 48,000 worker fatalities, more than 85,000 permanent disablements, and an additional 4,350,000 non-fatal injuries.

Prepared especially for home study, the Industrial Safety Engineering Course is designed to help industrial supervisors in charge of safety, industrial engineers who desire safety training, safety representatives of labor departments, and those whose responsibilities would call for a knowledge of safety practices in industry.

Comprised of 41 lessons requiring an estimated average study time of 650 hours, the Industrial Safety Engineering Course provides instruction in mathematics, machine sketching, blueprint reading, industrial psychology, handling of materials, plant and production equipment layout, and safety principles and practices.

The new course has been made available on the I.C.S. Selective Plan which permits employers to select only those instructional units which meet an immediate and specific need.

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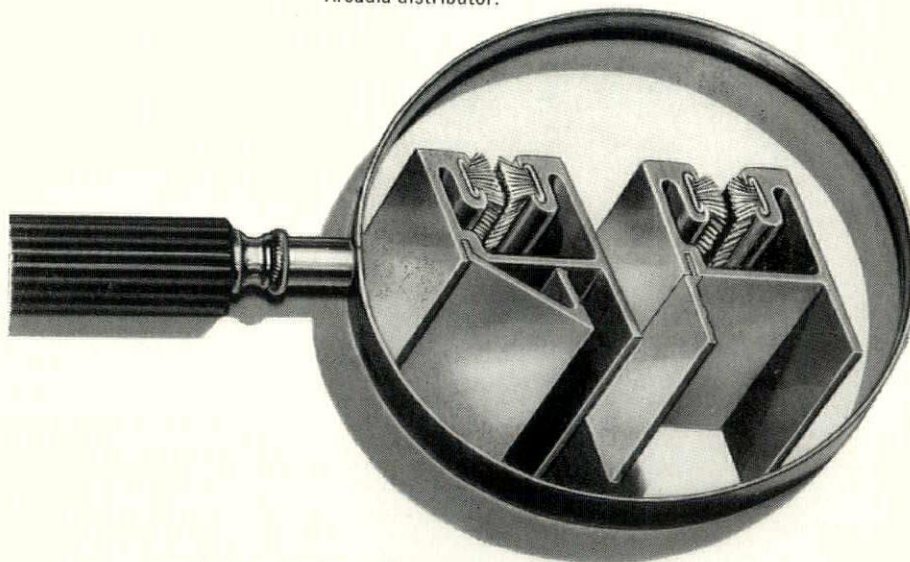
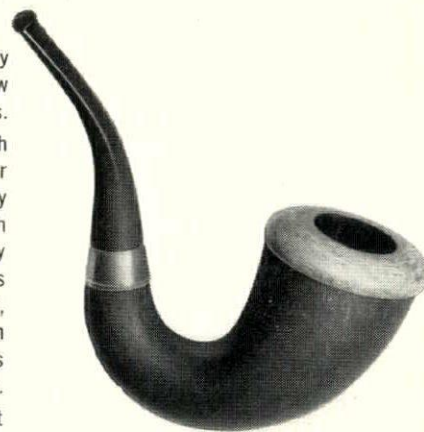


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# BERLIN INTERNATIONAL CONFERENCE HALL

The American Institute of Architects was host to a gathering of government officials to view the designs prepared by Hugh Stubbins, Jr., of Lexington, Massachusetts, for an international conference hall to be erected in the western

sector of Berlin. A.I.A. President George Bain Cummings of Binghamton, New York, welcomed the group and told of the national professional architectural society's enthusiastic support of the project. The permanent conference build-

ing will be available to the German city as the result of the A.I.A.'s cooperation with the United States Government in its program in support of Berlin. At the request of the Department of State, the A.I.A. set up a special architectural advisory committee to furnish guidance in the planning and design of the project and in the selection of the architect. A former Institute president, Ralph Walker of New York, New York, is chairman of the committee and there have served with him former 2nd vice-president Howard Eichenbaum of Little Rock, Arkansas, Moreland Griffith Smith of Montgomery, Alabama, Nathaniel A. Owings, Chicago, Illinois and John F. Harbeson, Philadelphia, Pennsylvania.

The Berlin building, to be erected near the Tiergarten, will provide space for conventions, conferences and exhibitions and will serve to bring together people for a free exchange of ideas and opinion in the arts, sciences, letters, government, or other significant matters. It will fill an urgent need in the reconstruction of the political and cultural life of the city.

To be completed in the summer of 1957, at the time of the opening of the Berlin international building exposition, the building will be dedicated to Benjamin Franklin. This is a particularly appropriate tribute on the 250th anniversary of the birth of the early American statesman who served his country and the world in promoting mutual understanding and good will between nations.

The mayor and other Berlin officials are enthusiastic about the preliminary plans for the project. Arrangements have been made for a Berlin Government contribution to the enterprise which will be financed in part by the new Berlin dollar aid program. It is estimated that the total cost of the building proper will be three million dollars. By utilizing advanced building techniques and imaginative planning, Stubbins has developed a design that will provide — effectively and economically — facilities for the various activities envisaged.

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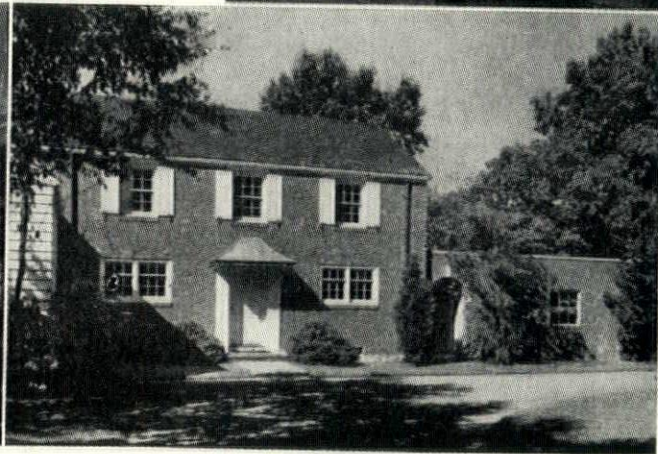
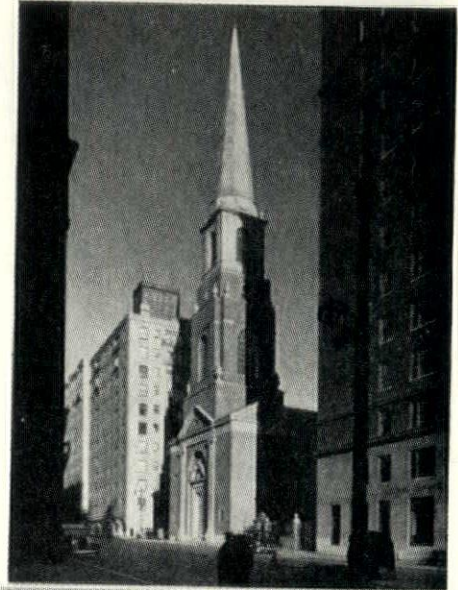
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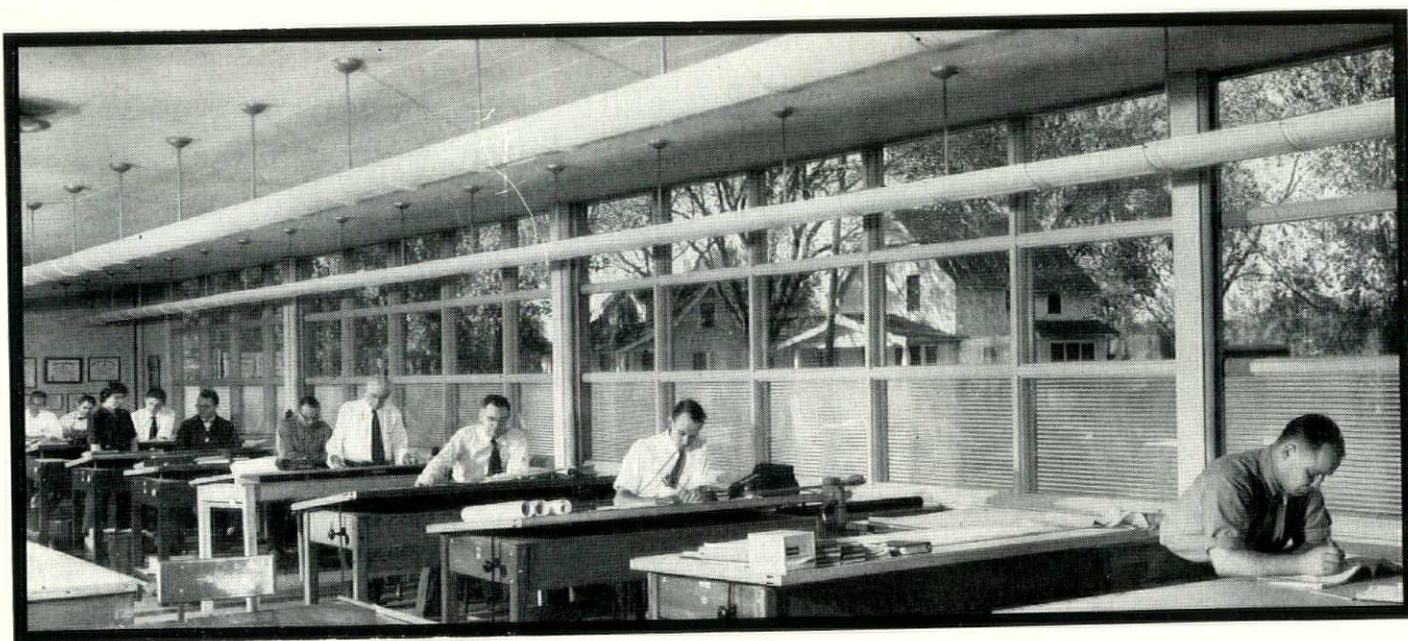
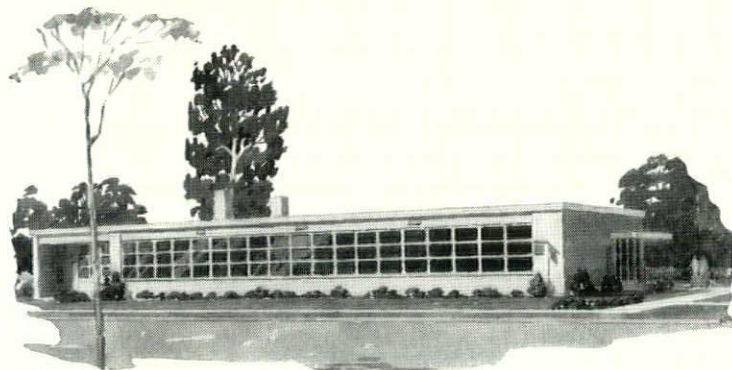


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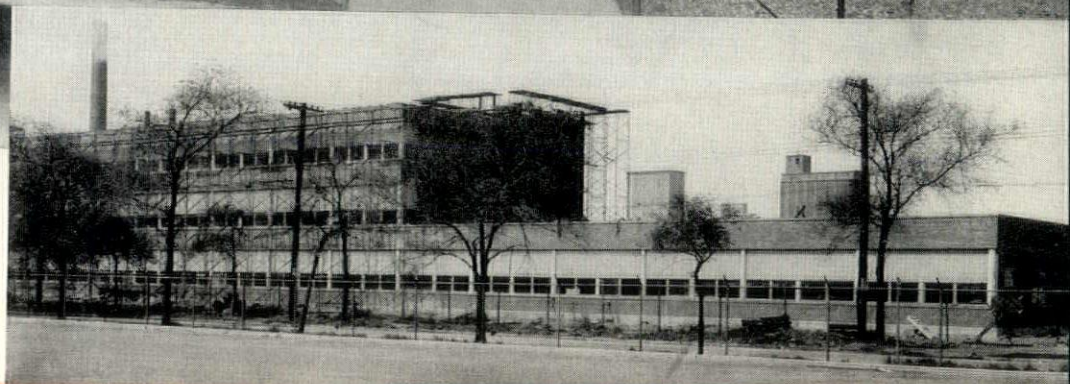


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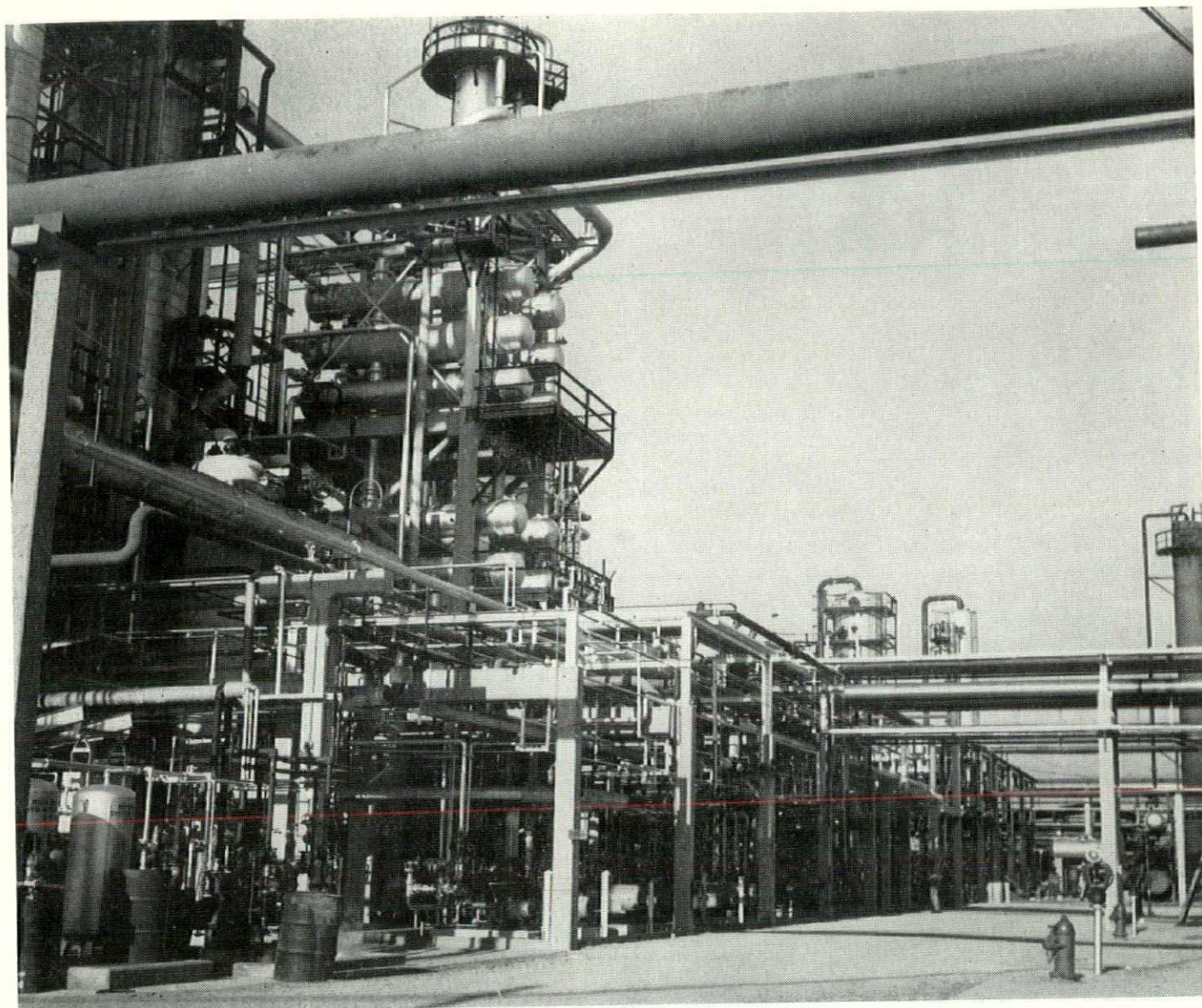
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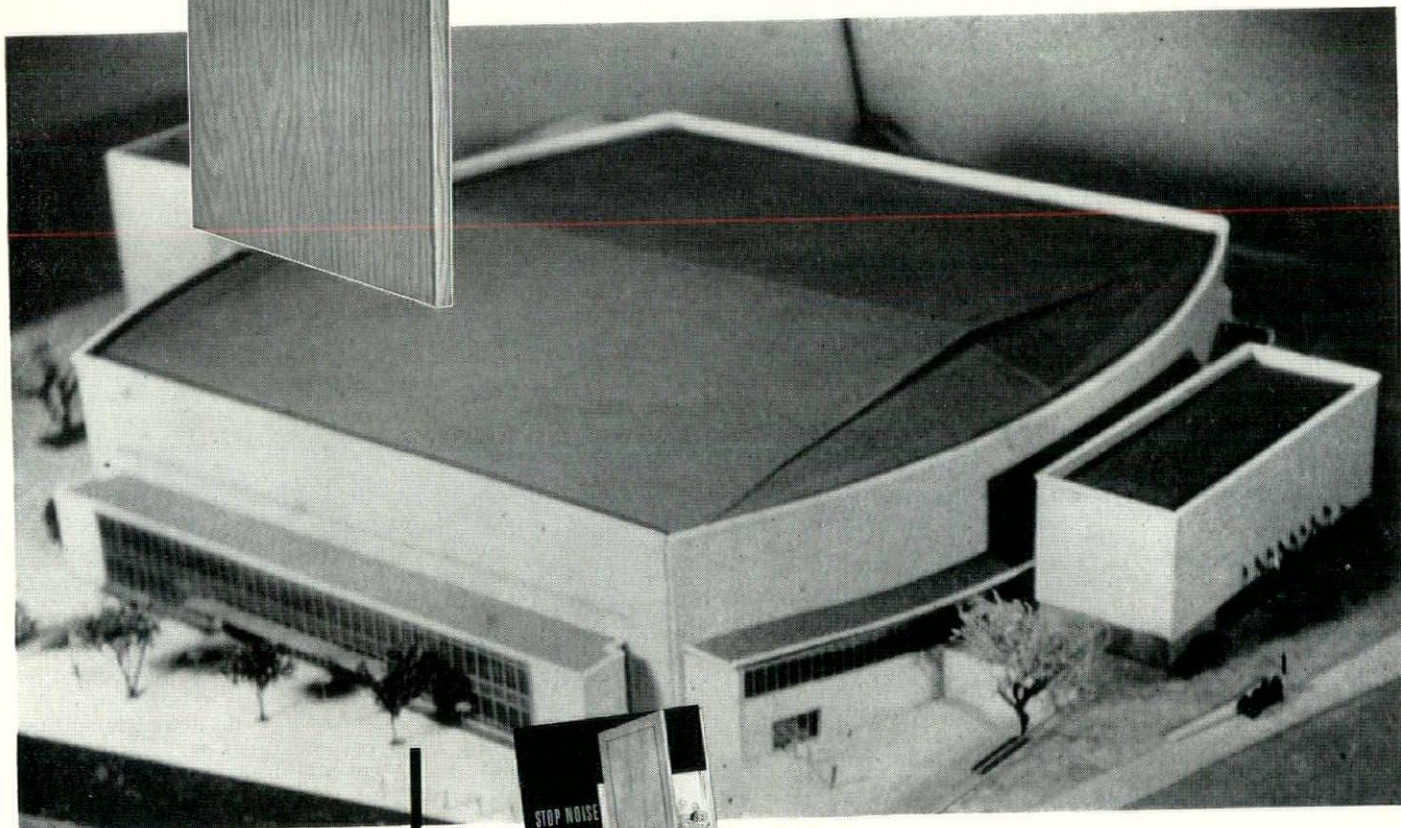
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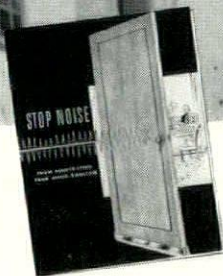
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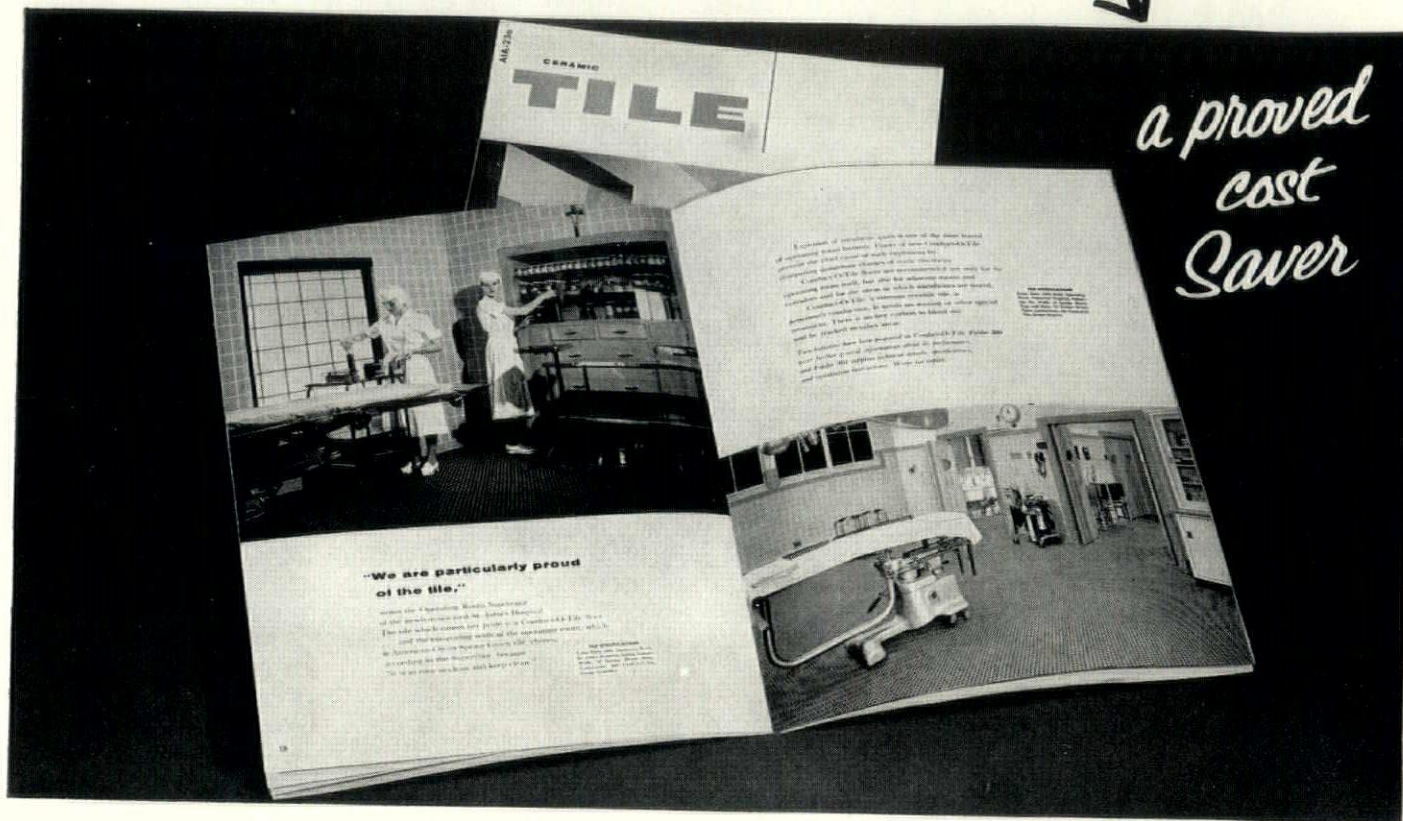
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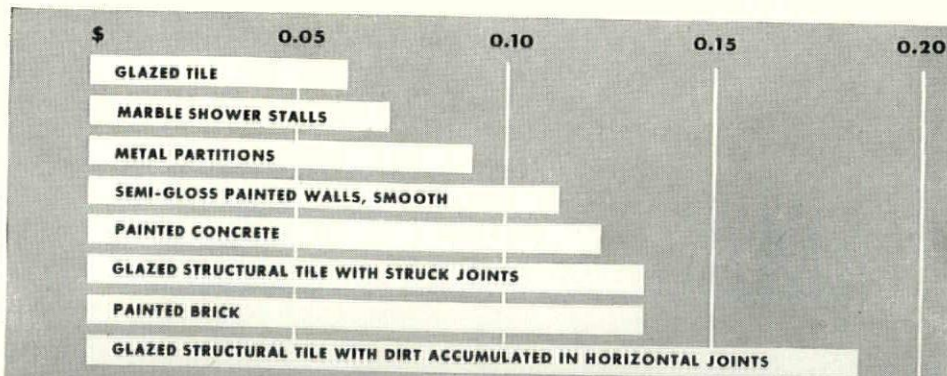


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square yard  
of surface*

*based on an hourly wage  
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"Modern Sanitation"*



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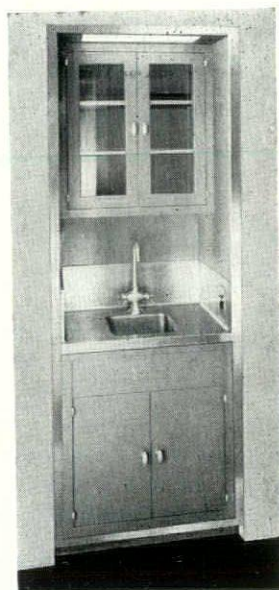
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Lawrence Memorial Hospital	Bronxville, N. Y.	Eggers & Higgins
St. Francis Hospital	Poughkeepsie, N. Y.	Eggers & Higgins
St. Luke's Hospital	New York, N. Y.	York & Sawyer
Roosevelt Hospital	New York, N. Y.	York & Sawyer
St. Clare's Hospital	Schenectady, N. Y.	York & Sawyer
Binghamton City Hospital	Binghamton, N. Y.	Conrad & Cummings
Brooks Memorial Hospital	Dunkirk, N. Y.	Cannon, Thiele, Betz & Cannon
Lakeside Memorial Hospital	Brockport, N. Y.	Cannon, Thiele, Betz & Cannon
Niagara Falls Mem'l Hosp.	Niagara Falls, N. Y.	Cannon, Thiele, Betz & Cannon
St. Mary's Hospital	Rochester, N. Y.	Joseph P. Flynn
Sisters of Charity Hospital	Buffalo, N. Y.	George J. Dietel
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W. C. A. Hospital	Amsterdam, N. Y.	Howard F. Daly
Ideal Hospital	Jamestown, N. Y.	Beck & Tinkham
Our Lady of Lourdes Mem'l Hosp.	Endicott, N. Y.	A. T. Lacey & Sons
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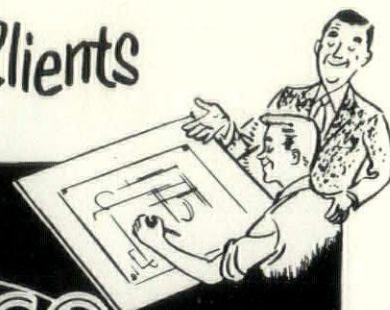
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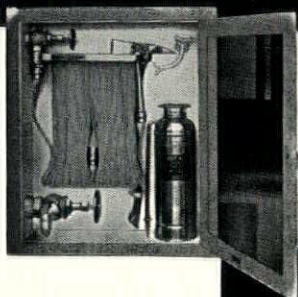
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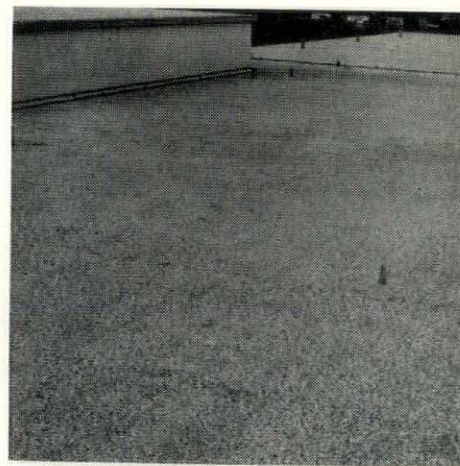
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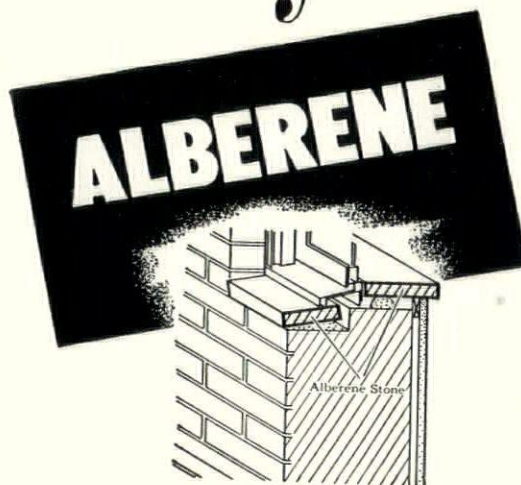
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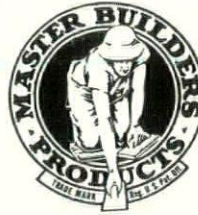
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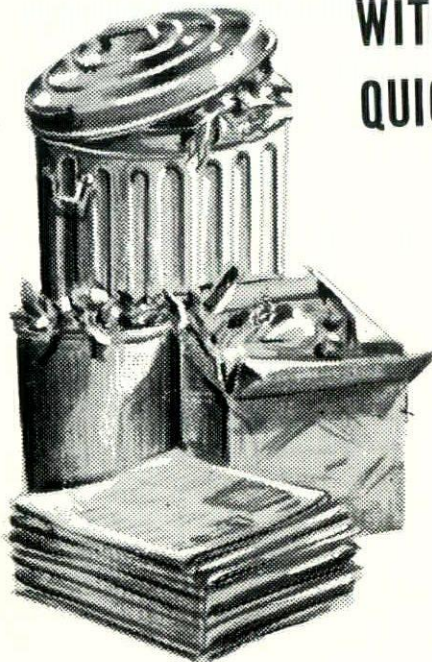
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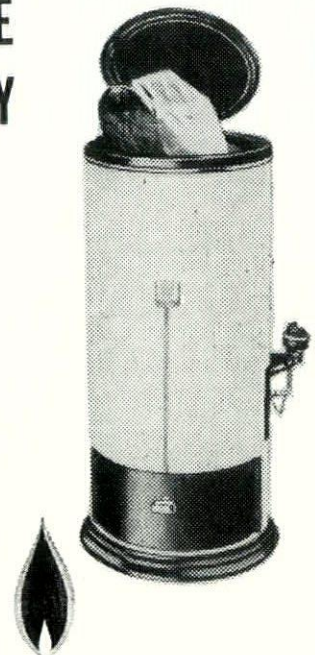
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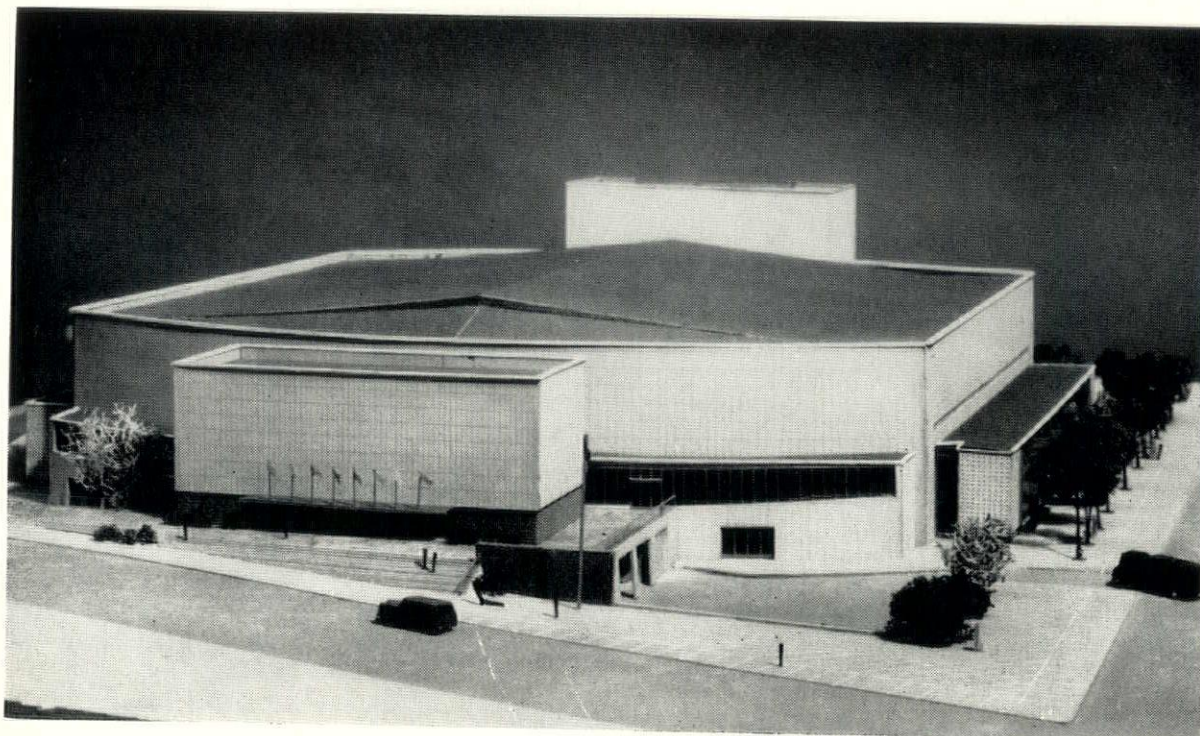
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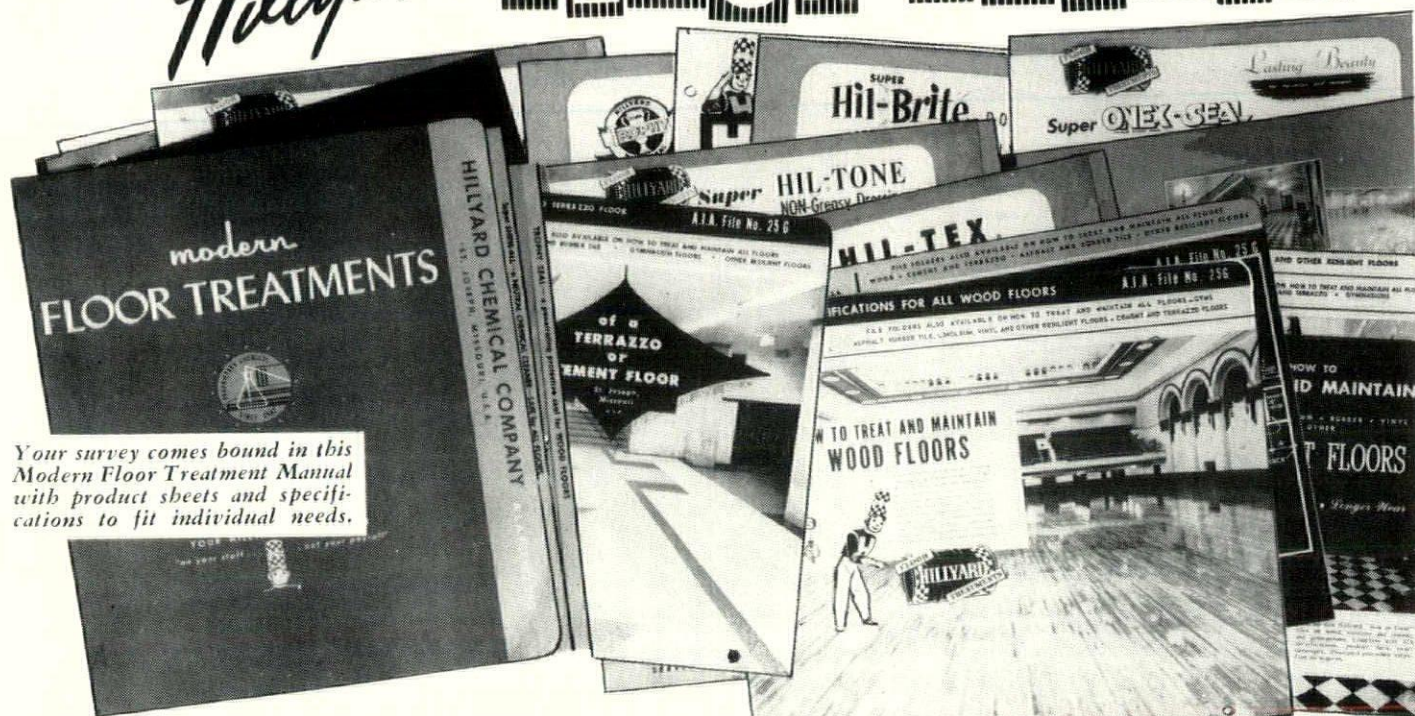
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## NEW YORK VA HOSPITAL

(Continued)

powers than the conventional wall, particularly for a high resistance to moisture. It has been used seldom in the U. S. until the end of World War II, but La-Pierre, Litchfield, among the strongest supporters of the cavity wall in this country, pressed for its acceptance in the design for the large VA unit.

The VA liked the idea and the project gave the U. S. a record-making structure in this type of masonry construction. The new hospital is many stories higher than any other cavity wall construction in this country or abroad. Built on steel piles sunk down to resistance with poured concrete foundation, it is constructed of 12-inch modular glazed grey brick on a dark red brick base recessed two inches at the foundation. T-design in shape, the building also has a light red brick used for the central core for color contrast.

The four-to-six-inch inner wythe is the load-bearing portion of the wall. Constructed of center concrete units, it rests directly on the lightweight concrete floor. The outer wythe of brick is four inches thick, supported by 5x5x7/16-inch angles attached to spandrel beams, 11 feet, 8 inches apart vertically.

The two wythes are tied together only by bronze Z-anchors a quarter-inch in diameter, spaced 16 inches apart vertically, 24 inches horizontally, staggered. The anchors are crimped to prevent any transmission of moisture between the wythes. The window jambs are moisture-proofed with continuous caulking strips and drips which deposit water in the cavity, which in turn is drained by staggered weepholes in the outer wythe just above shelf angles and grade-level supports. There is continuous flashing in the cavity at grade level to drain the water to weepholes and avoid any seepage

into building or foundations.

Careful inspection of portions of the wall when they had been up for more than a year revealed no evidence of water penetration to the interior wall at any point. If the cavity wall proves itself here in projects such as this, by living up to initial qualities it has shown abroad, its widespread use can revise building and maintenance concepts.

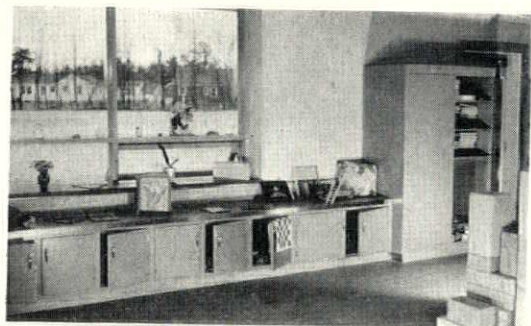
The Manhattan hospital is one of the VA's largest, and is expected to be one of its busiest. The T-shape plan was designed to give the maximum light and air, and greatest efficiency in getting remote points close to central core. The two major wings of the building are, respectively, 265 feet and 423 feet long. A separate building containing nurses and attendants' quarters, apartments for the administrative staff and garages, is located on the site back-to-back with the hospital and fronting on 23rd Street.

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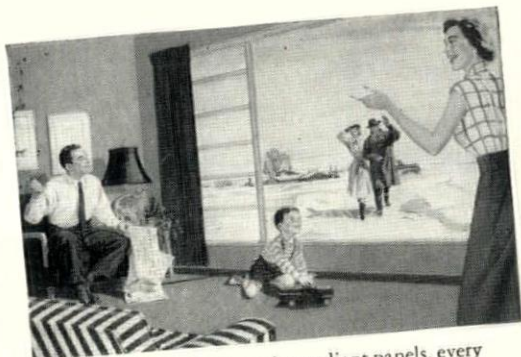


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Snow melting coils can be installed under drives and sidewalks and circulated with hot water from a B & G Hydro-Flo System.



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This noiseless electric pump is used to circulate water for heating the house, cooling it in summer and for snow melting panels. The B & G Booster is known everywhere for its quiet, dependable and long-lived operation.



## Hydro-Flo\* Systems

\*Reg. U. S. Pat. Off.

This is today's most versatile provider of year 'round comfort and convenience! All the benefits of a B & G Hydro-Flo System can be enjoyed at once or added as the owner's budget permits.

Starting with the basic Hydro-Flo Forced Hot Water Heating System, you give your homes *radiant*, sunny warmth . . . draftless rooms . . . warm floors. Automatic modulation keeps indoor temperature uniform—no wasteful over-heating. In addition—a limitless supply of domestic hot water, heated by the same boiler that heats the house.

Next, Hydro-Flo snow melting equipment can be added, to keep drive and sidewalks free of snow and ice. And now or later, summer cooling can be provided in a choice of several ways.

Get the complete story—send for free booklet.

# BELL & GOSSETT

C O M P A N Y

Dept. EA-39, Morton Grove, Ill.

Canadian Licensee: S. A. Armstrong Ltd., 1400 O'Connor Drive, West Toronto



# NEW NATIONAL ANILINE RESEARCH CENTER

Ventilated by

**"Buffalo"**  
FANS

Handsome and completely functional, the Research-Engineering Center of National Aniline Division of Allied Chemical and Dye Corporation in Buffalo, N. Y., is pictured at right. Shelgren & Williams, Architects, Buffalo, N. Y.



## COMPACT EXHAUSTERS INSTALLED ON ROOF SAVE FLOOR SPACE

The "Buffalo" Special Chemical Exhaust Fans shown here in the roof installation, are typical of the fine planning and selection of equipment that went into the National Aniline Research-Engineering project. Of all-weather construction, these exhausters have special sturdy cast iron housings which are resistant to moisture and corrosion. These fans have high capacity due to their high efficiency "Buffalo" rotors with backward curved blades.

National Aniline Division is typical of the many leading firms enjoying the finest in plant air-handling service — the famous "Q" Factor\* of performance in "Buffalo" Fans. Why not call in your nearby trained "Buffalo" Engineering Representative on your next project — for the best in air results!



Roof installation of "Buffalo" Special Chemical Exhaust Fans at National Aniline. Large number of fans provides flexibility for variations in air handling requirements in many zones.

*\*The "Q" Factor — the built-in Quality which provides trouble-free satisfaction and long life.*



**BUFFALO FORGE COMPANY**

504 BROADWAY

BUFFALO, N. Y.

PUBLISHERS OF "FAN ENGINEERING" HANDBOOK

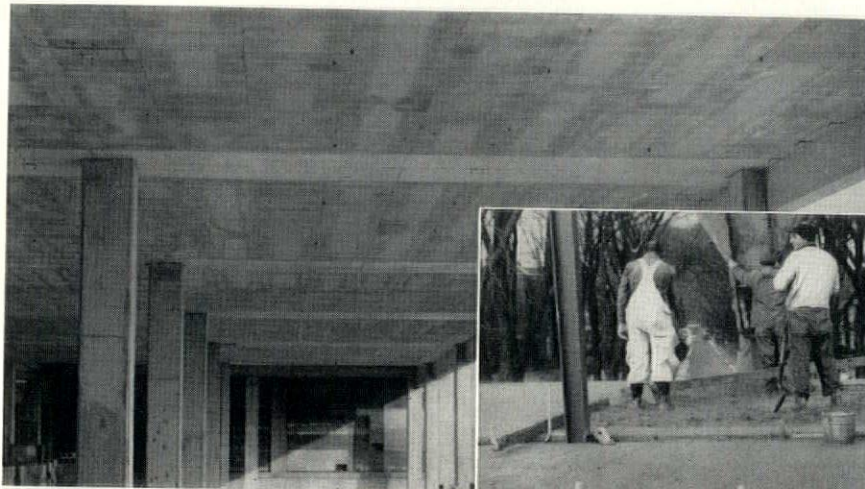
Canadian Blower & Forge Co., Ltd., Kitchener, Ont.

Sales Representatives in all Principal Cities

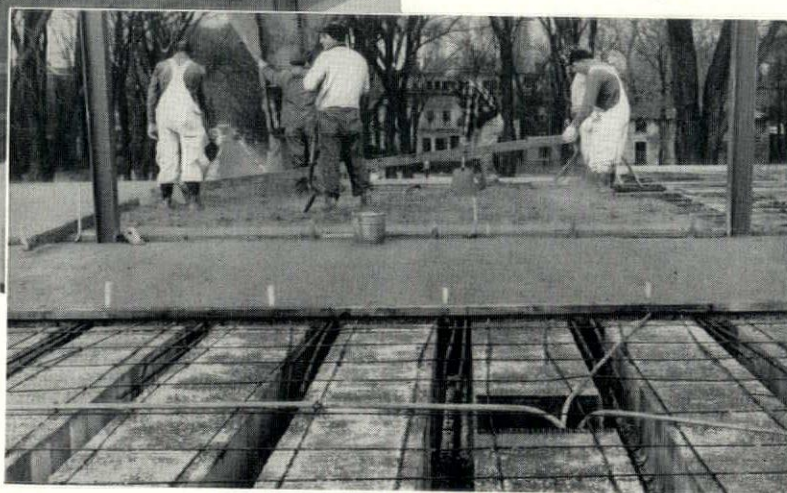
VENTILATING   AIR CLEANING   AIR TEMPERING   INDUCED DRAFT   EXHAUSTING   FORCED DRAFT   COOLING   HEATING   PRESSURE BLOWING



# DURABLE CONSTRUCTION with CONCRETE MASONRY FILLER BLOCK Floor and Roof Units...Regular or Soffit Type

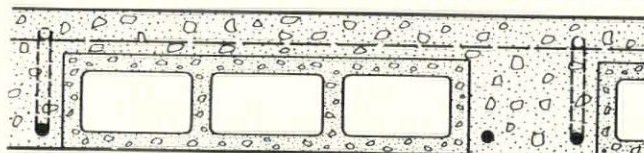


Pouring Concrete Joists and Topping on Floor, 12" Thick. Soffit Type Floor Filler Units. St. Joseph's Cathedral School, Buffalo, N. Y. Contractor: The John W. Cowper Co., Inc., Buffalo, N. Y. Architects: K. G. Schmill and C. J. Hoffmeyer, Buffalo, N. Y. Units supplied by Anchor Concrete Products, Inc., Buffalo, N. Y.

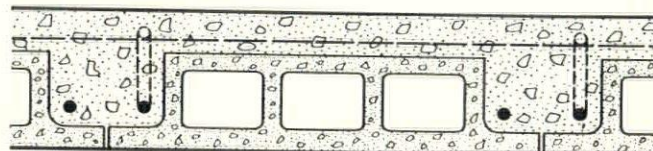


12" Thick Soffit Type Floor Filler Units (Ceiling View). Cornell Research Laboratory, Cheektowaga, N. Y. Contractor: The John W. Cowper Co., Inc., Buffalo, N. Y. Architect: Duane Lyman & Associates, Buffalo, N. Y. Units supplied by Anchor Concrete Products, Inc., Buffalo, N. Y.

## DESIGN LOAD TABLES AVAILABLE



REGULAR TYPE



SOFFIT TYPE

## ADVANTAGES

1. **FIRESAFE**
2. **LIGHTWEIGHT**
3. **SOUND DEADENING**
4. **EXCELLENT UNIFORM PLASTER BASE**
5. **RIGID**
6. **CONTINUOUS SPANS**

For further information, consult any of the members of the New York State Concrete Masonry Association listed below.

**ALBANY, N. Y.**  
Ramloc Stone Co., Inc.

**ALFRED, N. Y.**  
Southern Tier Concrete Products Co.

**AUBURN, N. Y.**  
Auburn Cement Products Co., Inc.

**BEDFORD HILLS, N. Y.**  
Bedford Hills Concrete Products Corp.

**BINGHAMTON, N. Y.**  
Bowen Building & Supply Co.  
Dinaburg Block Co., Inc.

**BROOKLYN, N. Y.**  
Nailable Cinder Block Corp.  
Picone Bros. Builders Supplies, Inc.

**BRONX, N. Y.**  
Building Products Corp.

**BUFFALO, N. Y.**  
Anchor Concrete Products, Inc.

**COOKSVILLE, ONT.**  
Argo Block Co., Ltd.

**ELMIRA, N. Y.**  
Elmira Building Units, Inc.  
Latta Brook Corp.

**FALCONER, N. Y.**  
Marietta Concrete Corp.

**GLENS FALLS, N. Y.**  
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**HAMILTON, N. Y.**  
Cossitt Concrete Products, Inc.

**INWOOD, L. I., N. Y.**  
A. Pollera & Sons

**JAMESTOWN, N. Y.**  
Hildom Cinder Block Co.

**LOCKPORT, N. Y.**  
Frontier Dolomite Concrete  
Products Corp.

**LONG ISLAND CITY, N. Y.**  
The Concrete Corp.

**MINEOLA, N. Y.**  
Inland Building Block Corp.

**PATCHOGUE, L. I., N. Y.**  
Allico Concrete Products Co.

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Comac Builders Supply Corp.  
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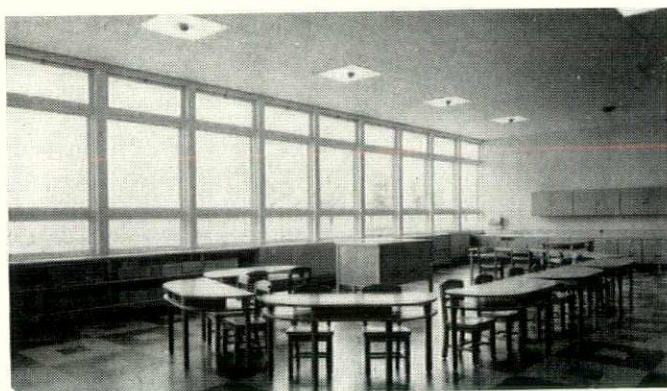
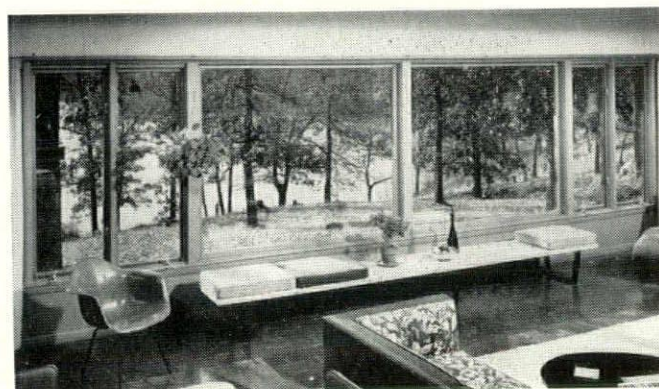


# FOR UNLIMITED DESIGN POSSIBILITIES

## **SPECIFY *Pella* PRODUCTS**

### **WOOD CASEMENT WINDOWS**

Pella Casement Windows enable you to create an unlimited number of window arrangements from stock size units. They are available in a wide variety of styles and sizes that blend with all types of architecture. Only "Pella" combines wood and steel to achieve a window with maximum strength and beauty. Combined with Rolscreens and dual glazing, there is no greater window convenience.

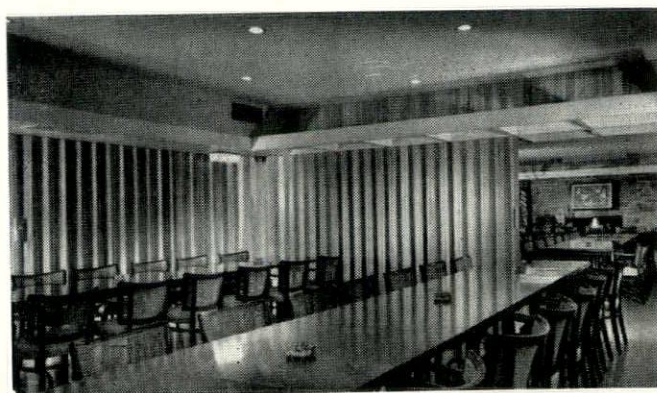


### **WOOD FOLDING DOORS**

Pella Wood Folding Doors are decorative, convenient, and economical. They are made of natural wood in Pine, Philippine Mahogany, Birch, and Oak. They can solve the architect's problems in partitioning of rooms, from a small door opening to a large auditorium or church basement. Pella Wood Folding Doors come completely packaged from the factory. No hardware to buy, and installation is quick and easy.

### **MULTI-PURPOSE WINDOWS**

Pella Multi-Purpose Windows are designed to fit the needs of all architectural trends. They are versatile enough for use in budget homes and commercial buildings. They can be used as awning, casement, or hopper vent. Convenient cam-type underscreen operator at no extra cost has made it one of the most popular wood windows.



#### *Pella* Representatives In Empire State

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Crawford Door Sales  
Albany Company, Inc.  
Sherwood Park  
Phone: 77-3374

##### **BINGHAMTON**

C. Y. Cushman  
497 State Street  
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##### **BUFFALO**

Pella Building Products Division  
A. O. Stilwell Co., Inc.  
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Phone: GRant 6506

##### **ROCHESTER**

The Maurer Company, Inc.  
31 Richmond Street  
Phone: HAmilton 0030

##### **SYRACUSE**

Pella Products Company  
439 Hawley Avenue  
Phone: 9-7473

##### **VALLEY STREAM, L. I.**

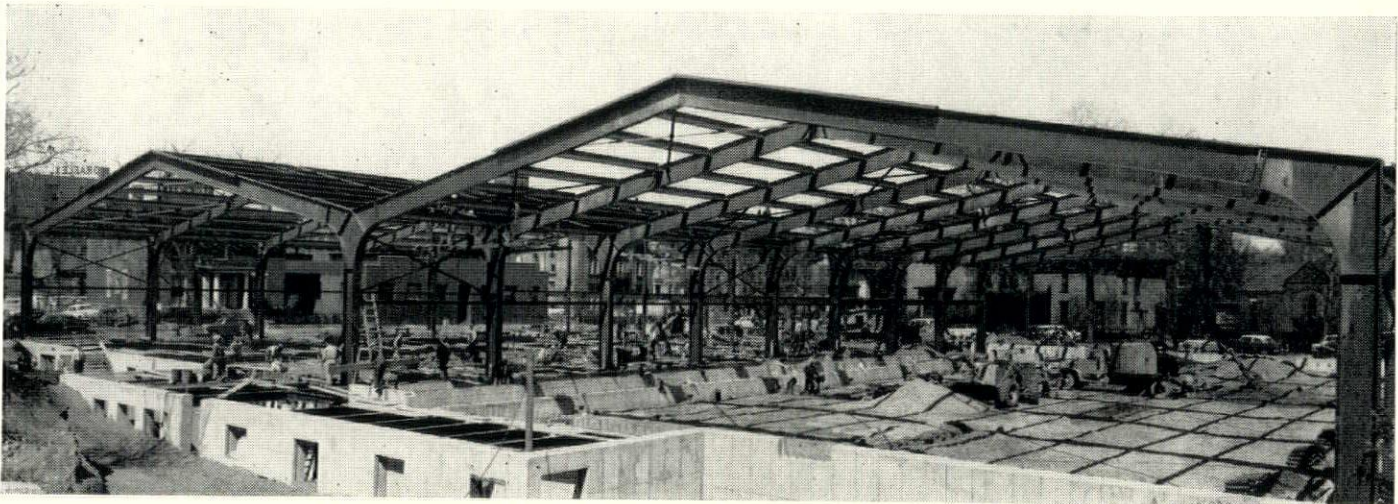
Rolscreen Company of New York  
627 West Merrick Road  
Phone: Valley Stream 5-8484



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*as the teen-agers say:*

**"IT'S THE GREATEST!"**



When you design in **STEEL**  
you get every benefit

- faster erection
- lower costs
- a better job

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**NEW YORK STATE STEEL FABRICATORS ASSN., INC.**

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**WATERVLIET, N.Y.** West Side Structural Co. Inc.

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Wks.  
Utica Structural Steel, Inc.

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# Announcement...

The R. C. Mahon Company, Detroit, Michigan

is pleased to announce the opening

OCTOBER 15th, 1955

of a

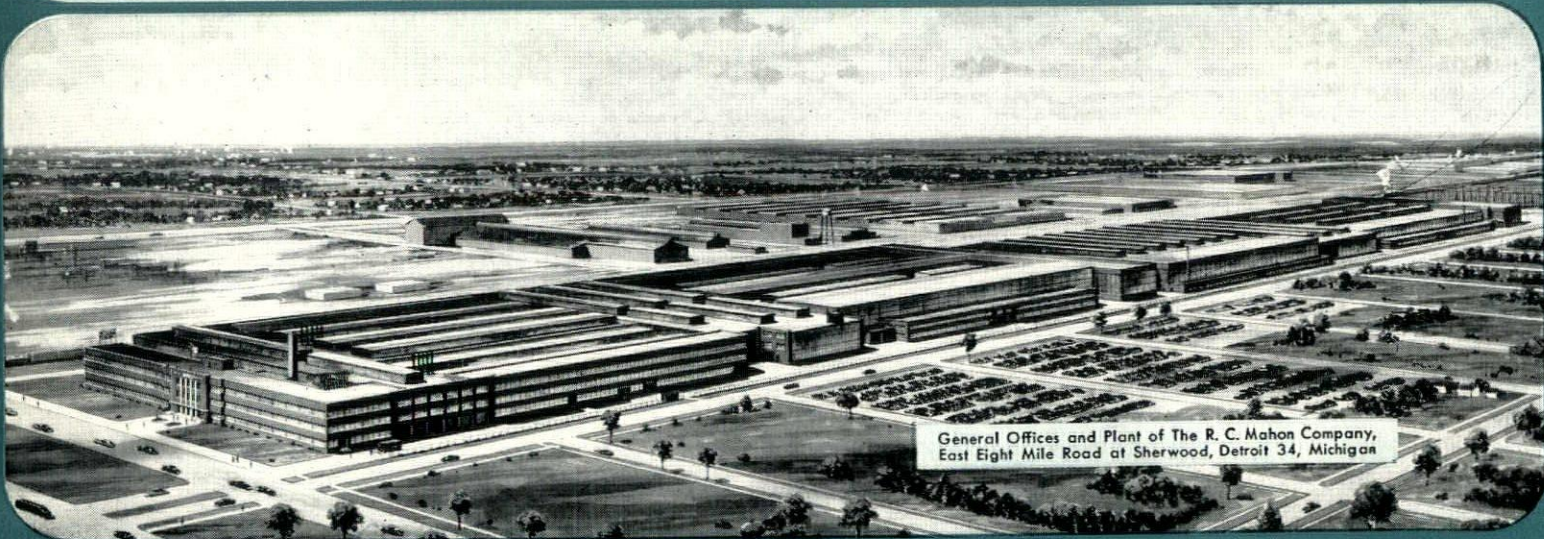
Sales-Engineering Office

at

420 Lexington Avenue, New York 17, New York

Personnel of this office will serve you on matters pertaining to the following products manufactured by The R. C. Mahon Company:

Insulated Metal Walls and Wall Panels, M-Floors (Mahon Electrified Cel-Beam Floor Systems), Steel Roof Decks and Long Span M-Decks, Permanent Concrete Floor Forms, Rolling Steel Doors, Grilles, and Underwriters' Labeled Automatic Rolling Steel Fire Doors and Fire Shutters, and Fabrication and Machining of Steel Plate Components for Building and Engineering Projects.



General Offices and Plant of The R. C. Mahon Company,  
East Eight Mile Road at Sherwood, Detroit 34, Michigan

THE R. C. MAHON COMPANY • Detroit 34, Michigan  
SALES ENGINEERING OFFICES in NEW YORK and CHICAGO

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